

SOLICITATION, OFFER AND AWARD			1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700)		RATING DO-C9E	PAGE OF PAGES 1 51	
2. CONTRACT NO.		3. SOLICITATION NO. N00174-03-R-0046		4. TYPE OF SOLICITATION [] SEALED BID (IFB) [X] NEGOTIATED (RFP)	5. DATE ISSUED 26 Aug 2003	6. REQUISITION/PURCHASE NO.	
7. ISSUED BY NAVSEA INDIAN HEAD 101 STRAUSS AVE. ATTN: PATSY KRAGH 1142P KRAGHPA@IH.NA VY.MIL INDIAN HEAD MD 20640 5035			CODE N00174	8. ADDRESS OFFER TO (If other than Item 7) See Item 7		CODE	
TEL: 301/744-6669 FAX: 301/744-6670					TEL:	FAX:	
NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".							
SOLICITATION							
9. Sealed offers in original and <u>2</u> copies for furnishing the supplies or services in the Schedule will be received at the place specified in Item 8, or if handcarried, in the depository located in <u>Bldg. 1558, Supply Dept.</u> until <u>15 00</u> local time <u>26 Sep 2003</u> (Hour) (Date)							
CAUTION - LATE Submissions, Modifications, and Withdrawals: See Section L, Provision No. 52.214-7 or 52.215-1. All offers are subject to all terms and conditions contained in this solicitation.							
10. FOR INFORMATION CALL:		A. NAME PATSY KRAGH		B. TELEPHONE (Include area code) (NO COLLECT CALLS) 301/744-6669		C. E-MAIL ADDRESS kraghpa@ih.navy.mil	
11. TABLE OF CONTENTS							
(X)	SEC.	DESCRIPTION		PAGE(S)	(X)	SEC.	DESCRIPTION
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X	B	SUPPLIES OR SERVICES AND PRICES/ COSTS		2	PART III - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS		
X	C	DESCRIPTION/ SPECS./ WORK STATEMENT		16	X	J	LIST OF ATTACHMENTS
X	D	PACKAGING AND MARKING		21	PART IV - REPRESENTATIONS AND INSTRUCTIONS		
X	E	INSPECTION AND ACCEPTANCE		23	X	K	REPRESENTATIONS, CERTIFICATIONS AND
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X	G	CONTRACT ADMINISTRATION DATA		28	X	L	INSTRS., CONDS., AND NOTICES TO OFFERORS
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OFFER (Must be fully completed by offeror)							
NOTE: Item 12 does not apply if the solicitation includes the provisions at 52.214-16, Minimum Bid Acceptance Period.							
12. In compliance with the above, the undersigned agrees, if this offer is accepted within _____ calendar days (60 calendar days unless a different period is inserted by the offeror) from the date for receipt of offers specified above, to furnish any or all items upon which prices are offered at the price set opposite each item, delivered at the designated point(s), within the time specified in the schedule.							
13. DISCOUNT FOR PROMPT PAYMENT (See Section I, Clause No. 52.232-8)							
14. ACKNOWLEDGMENT OF AMENDMENTS (The offeror acknowledges receipt of amendments to the SOLICITATION for offerors and related documents numbered and dated):				AMENDMENT NO.		DATE	
15A. NAME AND ADDRESS OF OFFEROR		CODE	FACILITY		16. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print)		
15B. TELEPHONE NO (Include area code)		15C. CHECK IF REMITTANCE ADDRESS IS DIFFERENT FROM ABOVE - ENTER SUCH ADDRESS IN SCHEDULE. <input type="checkbox"/>			17. SIGNATURE		18. OFFER DATE
AWARD (To be completed by Government)							
19. ACCEPTED AS TO ITEMS NUMBERED		20. AMOUNT		21. ACCOUNTING AND APPROPRIATION			
22. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION: <input type="checkbox"/> 10 U.S.C. 2304(c)() <input type="checkbox"/> 41 U.S.C. 253(c)()				23. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified)		ITEM	
24. ADMINISTERED BY (If other than Item 7)		CODE	25. PAYMENT WILL BE MADE BY		CODE		
26. NAME OF CONTRACTING OFFICER (Type or print)				27. UNITED STATES OF AMERICA (Signature of Contracting Officer)		28. AWARD DATE	

IMPORTANT - Award will be made on this Form, or on Standard Form 26, or by other authorized official written notice.

SECTION B Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001	Shielding Band Assembly FFP - In Accordance with Drawing 4902192, Rev. J PURCHASE REQUEST NUMBER 32060053	3,800	Assembly	\$ _____	\$ _____
0002	ELECTROMAGNETIC RADIATION BARRIER ASSEMBLY FFP - In Accordance with Drawing 4902194, Rev. K PURCHASE REQUEST NUMBER 32060076	3,800	Assembly	\$ _____	\$ _____
0003	IGNITION CIRCUIT WIRE ASSEMBLY FFP - In Accordance with Drawing 318AS285 PURCHASE REQUEST NUMBER 32060084	3,800	Assembly	\$ _____	\$ _____
0004	IGNITER SPACER FFP - In Accordance with Drawing 318AS289 PURCHASE REQUEST NUMBER 32060087	500	Each	\$ _____	\$ _____
0005	CONTACT BAND INSULATOR FFP - In Accordance with Drawing 318AS273 PURCHASE REQUEST NUMBER 32060089	3,900	Each	\$ _____	\$ _____
0006	CONTACT BAND FFP - In Accordance with Drawing 318AS274 PURCHASE REQUEST NUMBER 32060090	3,900	Each	\$ _____	\$ _____
0007	FILTER FFP - In Accordance with Drawing 318AS275 PURCHASE REQUEST NUMBER 32060092	3,900	Each	\$ _____	\$ _____
0008	FETTERED DRIVE PIN FFP - In Accordance with Drawing 318AS279 PURCHASE REQUEST NUMBER 32060094	800	Each	\$ _____	\$ _____

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0009		3,900	Each	\$ _____	\$ _____
	MOUNTING BRACKET				
	FFP - In Accordance with Drawing 318AS291				
	PURCHASE REQUEST NUMBER 32060097				

Option I

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0010			Assembly		
	Shielding Band Assembly				
	FFP – In Accordance with Drawing 4902192, Rev. J				

STEPLADDER PRICING

STEPLADDER NAME	ITEM NO	FROM QUANTITY	TO QUANTITY	UNIT PRICE
Shielding Band Assembly	0010	1	1,000	\$ _____
		1,001	2,000	\$ _____
		2,001	3,000	\$ _____
		3,001	4,000	\$ _____
		4,001	5,000	\$ _____

Option 2

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0011			Assembly		
	ELECTROMAGNETIC RADIATION BARRIER ASSEMBLY				
	FFP - In Accordance with Drawing 4902194, Rev. K				

STEPLADDER PRICING

STEPLADDER NAME	ITEM NO	FROM QUANTITY	TO QUANTITY	UNIT PRICE
ELECTROMAGNETIC RADIATION BARRIER ASSEMBLY	0011	1	1,000	\$ _____
		1,001	2,000	\$ _____
		2,001	3,000	\$ _____
		3,001	4,000	\$ _____
		4,001	5,000	\$ _____

Option 3

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0012	IGNITION CIRCUIT WIRE ASSEMBLY FFP - In Accordance with Drawing 318AS285		Assembly		

STEPLADDER PRICING

STEPLADDER NAME	ITEM NO	FROM QUANTITY	TO QUANTITY	UNIT PRICE
IGNITION CIRCUIT WIRE ASSEMBLY	0012	1	1,000	\$ _____
		1,001	2,000	\$ _____
		2,001	3,000	\$ _____
		3,001	4,000	\$ _____
		4,001	5,000	\$ _____

Option 4

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0013	IGNITER SPACER FFP - In Accordance with Drawing 318AS289		Each		

STEPLADDER PRICING

STEPLADDER NAME	ITEM NO	FROM QUANTITY	TO QUANTITY	UNIT PRICE
IGNITER SPACER	0013	1	1,000	\$ _____
		1,001	2,000	\$ _____
		2,001	3,000	\$ _____
		3,001	4,000	\$ _____
		4,001	5,000	\$ _____

Option 5

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0014	CONTACT BAND INSULATOR FFP - In Accordance with Drawing 318AS273		Each		

STEPLADDER PRICING

STEPLADDER NAME	ITEM NO	FROM QUANTITY	TO QUANTITY	UNIT PRICE
CONTACT BAND INSULATOR	0014	1	1,000	\$ _____
		1,001	2,000	\$ _____
		2,001	3,000	\$ _____
		3,001	4,000	\$ _____
		4,001	5,000	\$ _____

Option 6

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0015	CONTACT BAND		Each		
	FFP - In Accordance with Drawing 318AS274				

STEPLADDER PRICING

STEPLADDER NAME	ITEM NO	FROM QUANTITY	TO QUANTITY	UNIT PRICE
CONTACT BAND	0015	1	1,000	\$ _____
		1,001	2,000	\$ _____
		2,001	3,000	\$ _____
		3,001	4,000	\$ _____
		4,001	5,000	\$ _____

Option 7

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0016	FILTER		Each		
	FFP - In Accordance with Drawing 318AS275				

STEPLADDER PRICING

STEPLADDER NAME	ITEM NO	FROM QUANTITY	TO QUANTITY	UNIT PRICE
FILTER	0016	1	1,000	\$ _____
		1,001	2,000	\$ _____
		2,001	3,000	\$ _____
		3,001	4,000	\$ _____
		4,001	5,000	\$ _____

Option 8

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0017	FETTERED DRIVE PIN		Each		
	FFP - In Accordance with Drawing 318AS279				

STEPLADDER PRICING

STEPLADDER NAME	ITEM NO	FROM QUANTITY	TO QUANTITY	UNIT PRICE
FETTERED DRIVE PIN	0017	1	1,000	\$ _____
		1,001	2,000	\$ _____
		2,001	3,000	\$ _____
		3,001	4,000	\$ _____
		4,001	5,000	\$ _____

Option 9

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0018	MOUNTING BRACKET FFP - In Accordance with Drawing 318AS291		Each		

STEPLADDER PRICING

STEPLADDER NAME	ITEM NO	FROM QUANTITY	TO QUANTITY	UNIT PRICE
MOUNTING BRACKET	0018	1	1,000	\$ _____
		1,001	2,000	\$ _____
		2,001	3,000	\$ _____
		3,001	4,000	\$ _____
		4,001	5,000	\$ _____

Option 10

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0019	Shielding Band Assembly FFP - In Accordance with Drawing 4902192, Rev. J		Assembly		

STEPLADDER PRICING

STEPLADDER NAME	ITEM NO	FROM QUANTITY	TO QUANTITY	UNIT PRICE
Shielding Band Assembly	0019	1	1,000	\$ _____
		1,001	2,000	\$ _____
		2,001	3,000	\$ _____
		3,001	4,000	\$ _____
		4,001	5,000	\$ _____

Option 11

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0020	ELECTROMAGNETIC RADIATION BARRIER ASSEMBLY FFP - In Accordance with Drawing 4902194, Rev. K		Assembly		

STEPLADDER PRICING

STEPLADDER NAME	ITEM NO	FROM QUANTITY	TO QUANTITY	UNIT PRICE
ELECTROMAGNETIC RADIATION BARRIER ASSEMBLY	0020	1	1,000	\$ _____
		1,001	2,000	\$ _____
		2,001	3,000	\$ _____
		3,001	4,000	\$ _____
		4,001	5,000	\$ _____

Option 12

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0021	IGNITION CIRCUIT WIRE ASSEMBLY FFP - In Accordance with Drawing 318AS285		Assembly		

STEPLADDER PRICING

STEPLADDER NAME	ITEM NO	FROM QUANTITY	TO QUANTITY	UNIT PRICE
IGNITION CIRCUIT WIRE ASSEMBLY	0021	1	1,000	\$ _____
		1,001	2,000	\$ _____
		2,001	3,000	\$ _____
		3,001	4,000	\$ _____
		4,001	5,000	\$ _____

Option 13

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0022	IGNITER SPACER FFP - In Accordance with Drawing 318AS289		Each		

STEPLADDER PRICING

STEPLADDER NAME	ITEM NO	FROM QUANTITY	TO QUANTITY	UNIT PRICE
IGNITER SPACER	0022	1	1,000	\$ _____
		1,001	2,000	\$ _____
		2,001	3,000	\$ _____
		3,001	4,000	\$ _____
		4,001	5,000	\$ _____

Option 14

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0023	CONTACT BAND INSULATOR FFP - In Accordance with Drawing 318AS273		Each		

STEPLADDER PRICING

STEPLADDER NAME	ITEM NO	FROM QUANTITY	TO QUANTITY	UNIT PRICE
CONTACT BAND INSULATOR	0023	1	1,000	\$ _____
		1,001	2,000	\$ _____
		2,001	3,000	\$ _____
		3,001	4,000	\$ _____
		4,001	5,000	\$ _____

Option 15

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0024	CONTACT BAND		Each		
	FFP - In Accordance with Drawing 318AS274				

STEPLADDER PRICING

STEPLADDER NAME	ITEM NO	FROM QUANTITY	TO QUANTITY	UNIT PRICE
CONTACT BAND	0024	1	1,000	\$ _____
		1,001	2,000	\$ _____
		2,001	3,000	\$ _____
		3,001	4,000	\$ _____
		4,001	5,000	\$ _____

Option 16

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0025	FILTER		Each		
	FFP - In Accordance with Drawing 318AS275				

STEPLADDER PRICING

STEPLADDER NAME	ITEM NO	FROM QUANTITY	TO QUANTITY	UNIT PRICE
FILTER	0025	1	1,000	\$ _____
		1,001	2,000	\$ _____
		2,001	3,000	\$ _____
		3,001	4,000	\$ _____
		4,001	5,000	\$ _____

Option 17

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0026	FETTERED DRIVE PIN		Each		
	FFP - In Accordance with Drawing 318AS279				

STEPLADDER PRICING

STEPLADDER NAME	ITEM NO	FROM QUANTITY	TO QUANTITY	UNIT PRICE
FETTERED DRIVE PIN	0026	1	1,000	\$ _____
		1,001	2,000	\$ _____
		2,001	3,000	\$ _____
		3,001	4,000	\$ _____
		4,001	5,000	\$ _____

Option 18

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0027	MOUNTING BRACKET FFP - In Accordance with Drawing 318AS291		Each		

STEPLADDER PRICING

STEPLADDER NAME	ITEM NO	FROM QUANTITY	TO QUANTITY	UNIT PRICE
MOUNTING BRACKET	0027	1	1,000	\$ _____
		1,001	2,000	\$ _____
		2,001	3,000	\$ _____
		3,001	4,000	\$ _____
		4,001	5,000	\$ _____

Option 19

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0028	Shielding Band Assembly FFP - In Accordance with Drawing 4902192, Rev. J		Assembly		

STEPLADDER PRICING

STEPLADDER NAME	ITEM NO	FROM QUANTITY	TO QUANTITY	UNIT PRICE
Shielding Band Assembly	0028	1	1,000	\$ _____
		1,001	2,000	\$ _____
		2,001	3,000	\$ _____
		3,001	4,000	\$ _____
		4,001	5,000	\$ _____

Option 20

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0029	ELECTROMAGNETIC RADIATION BARRIER ASSEMBLY FFP - In Accordance with Drawing 4902194, Rev. K		Assembly		

STEPLADDER PRICING

STEPLADDER NAME	ITEM NO	FROM QUANTITY	TO QUANTITY	UNIT PRICE
ELECTROMAGNETIC RADIATION BARRIER ASSEMBLY	0029	1	1,000	\$ _____
		1,001	2,000	\$ _____
		2,001	3,000	\$ _____
		3,001	4,000	\$ _____
		4,001	5,000	\$ _____

Option 21

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0030	IGNITION CIRCUIT WIRE ASSEMBLY FFP - In Accordance with Drawing 318AS285		Assembly		

STEPLADDER PRICING

STEPLADDER NAME	ITEM NO	FROM QUANTITY	TO QUANTITY	UNIT PRICE
IGNITION CIRCUIT WIRE ASSEMBLY	0030	1	1,000	\$ _____
		1,001	2,000	\$ _____
		2,001	3,000	\$ _____
		3,001	4,000	\$ _____
		4,001	5,000	\$ _____

Option 22

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0031	IGNITER SPACER FFP - In Accordance with Drawing 318AS289		Each		

STEPLADDER PRICING

STEPLADDER NAME	ITEM NO	FROM QUANTITY	TO QUANTITY	UNIT PRICE
IGNITER SPACER	0031	1	1,000	\$ _____
		1,001	2,000	\$ _____
		2,001	3,000	\$ _____
		3,001	4,000	\$ _____
		4,001	5,000	\$ _____

Option 23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0032	CONTACT BAND INSULATOR FFP - In Accordance with Drawing 318AS273		Each		

STEPLADDER PRICING

STEPLADDER NAME	ITEM NO	FROM QUANTITY	TO QUANTITY	UNIT PRICE
CONTACT BAND INSULATOR	0032	1	1,000	\$ _____
		1,001	2,000	\$ _____
		2,001	3,000	\$ _____
		3,001	4,000	\$ _____
		4,001	5,000	\$ _____

Option 24

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0033	CONTACT BAND		Each		
	FFP - In Accordance with Drawing 318AS274				

STEPLADDER PRICING

STEPLADDER NAME	ITEM NO	FROM QUANTITY	TO QUANTITY	UNIT PRICE
CONTACT BAND	0033	1	1,000	\$ _____
		1,001	2,000	\$ _____
		2,001	3,000	\$ _____
		3,001	4,000	\$ _____
		4,001	5,000	\$ _____

Option 25

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0034	FILTER		Each		
	FFP - In Accordance with Drawing 318AS275				

STEPLADDER PRICING

STEPLADDER NAME	ITEM NO	FROM QUANTITY	TO QUANTITY	UNIT PRICE
FILTER	0034	1	1,000	\$ _____
		1,001	2,000	\$ _____
		2,001	3,000	\$ _____
		3,001	4,000	\$ _____
		4,001	5,000	\$ _____

Option 26

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0035	FETTERED DRIVE PIN		Each		
	FFP - In Accordance with Drawing 318AS279				

STEPLADDER PRICING

STEPLADDER NAME	ITEM NO	FROM QUANTITY	TO QUANTITY	UNIT PRICE
FETTERED DRIVE PIN	0035	1	1,000	\$ _____
		1,001	2,000	\$ _____
		2,001	3,000	\$ _____
		3,001	4,000	\$ _____
		4,001	5,000	\$ _____

Option 27

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0036	MOUNTING BRACKET FFP - In Accordance with Drawing 318AS291		Each		

STEPLADDER PRICING

STEPLADDER NAME	ITEM NO	FROM QUANTITY	TO QUANTITY	UNIT PRICE
MOUNTING BRACKET	0036	1	1,000	\$ _____
		1,001	2,000	\$ _____
		2,001	3,000	\$ _____
		3,001	4,000	\$ _____
		4,001	5,000	\$ _____

Option 28

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0037	Shielding Band Assembly FFP - In Accordance with Drawing 4902192, Rev. J		Assembly		

STEPLADDER PRICING

STEPLADDER NAME	ITEM NO	FROM QUANTITY	TO QUANTITY	UNIT PRICE
Shielding Band Assembly	0037	1	1,000	\$ _____
		1,001	2,000	\$ _____
		2,001	3,000	\$ _____
		3,001	4,000	\$ _____
		4,001	5,000	\$ _____

Option 29

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0038	ELECTROMAGNETIC RADIATION BARRIER ASSEMBLY FFP - In Accordance with Drawing 4902194, Rev. K		Assembly		

STEPLADDER PRICING

STEPLADDER NAME	ITEM NO	FROM QUANTITY	TO QUANTITY	UNIT PRICE
ELECTROMAGNETIC RADIATION BARRIER ASSEMBLY	0038	1	1,000	\$ _____
		1,001	2,000	\$ _____
		2,001	3,000	\$ _____
		3,001	4,000	\$ _____
		4,001	5,000	\$ _____

Option 30

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0039	IGNITION CIRCUIT WIRE ASSEMBLY FFP - In Accordance with Drawing 318AS285		Assembly		

STEPLADDER PRICING

STEPLADDER NAME	ITEM NO	FROM QUANTITY	TO QUANTITY	UNIT PRICE
IGNITION CIRCUIT WIRE ASSEMBLY	0039	1	1,000	\$ _____
		1,001	2,000	\$ _____
		2,001	3,000	\$ _____
		3,001	4,000	\$ _____
		4,001	5,000	\$ _____

Option 31

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0040	IGNITER SPACER FFP - In Accordance with Drawing 318AS289		Each		

STEPLADDER PRICING

STEPLADDER NAME	ITEM NO	FROM QUANTITY	TO QUANTITY	UNIT PRICE
IGNITER SPACER	0040	1	1,000	\$ _____
		1,001	2,000	\$ _____
		2,001	3,000	\$ _____
		3,001	4,000	\$ _____
		4,001	5,000	\$ _____

Option 32

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0041	CONTACT BAND INSULATOR FFP - In Accordance with Drawing 318AS273		Each		

STEPLADDER PRICING

STEPLADDER NAME	ITEM NO	FROM QUANTITY	TO QUANTITY	UNIT PRICE
CONTACT BAND INSULATOR	0041	1	1,000	\$ _____
		1,001	2,000	\$ _____
		2,001	3,000	\$ _____
		3,001	4,000	\$ _____
		4,001	5,000	\$ _____

Option 33

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0042	CONTACT BAND		Each		
	FFP - In Accordance with Drawing 318AS274				

STEPLADDER PRICING

STEPLADDER NAME	ITEM NO	FROM QUANTITY	TO QUANTITY	UNIT PRICE
CONTACT BAND	0042	1	1,000	\$ _____
		1,001	2,000	\$ _____
		2,001	3,000	\$ _____
		3,001	4,000	\$ _____
		4,001	5,000	\$ _____

Option 34

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0043	FILTER		Each		
	FFP - In Accordance with Drawing 318AS275				

STEPLADDER PRICING

STEPLADDER NAME	ITEM NO	FROM QUANTITY	TO QUANTITY	UNIT PRICE
FILTER	0043	1	1,000	\$ _____
		1,001	2,000	\$ _____
		2,001	3,000	\$ _____
		3,001	4,000	\$ _____
		4,001	5,000	\$ _____

Option 35

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0044	FETTERED DRIVE PIN		Each		
	FFP - In Accordance with Drawing 318AS279				

STEPLADDER PRICING

STEPLADDER NAME	ITEM NO	FROM QUANTITY	TO QUANTITY	UNIT PRICE
FETTERED DRIVE PIN	0044	1	1,000	\$ _____
		1,001	2,000	\$ _____
		2,001	3,000	\$ _____
		3,001	4,000	\$ _____
		4,001	5,000	\$ _____

Option 36

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0045	MOUNTING BRACKET		Each		
	FFP - In Accordance with Drawing 318AS291				

STEPLADDER PRICING

STEPLADDER NAME	ITEM NO	FROM QUANTITY	TO QUANTITY	UNIT PRICE
MOUNTING BRACKET	0045	1	1,000	\$ _____
		1,001	2,000	\$ _____
		2,001	3,000	\$ _____
		3,001	4,000	\$ _____
		4,001	5,000	\$ _____

NOTE: Should the Government choose to exercise the stepladder options, each option will be exercised for one quantity only. Under no circumstance will the options be exercised for all five quantities. Once a particular option has been exercised, that option is no longer available.

CLAUSES INCORPORATED BY FULL TEXT

HQ B-2-0004 - EXPEDITING CONTRACT CLOSEOUT (NAVSEA) (DEC 1995)

(a) As part of the negotiated fixed price or total estimated amount of this contract, both the Government and the Contractor have agreed to waive any entitlement that otherwise might accrue to either party in any residual dollar amount of \$500 or less at the time of final contract closeout. The term "residual dollar amount" shall include all money that would otherwise be owed to either party at the end of the contract, except that, amounts connected in any way with taxation, allegations of fraud and/or antitrust violations shall be excluded. For purposes of determining residual dollar amounts, offsets of money owed by one party against money that would otherwise be paid by that party may be considered to the extent permitted by law.

(b) This agreement to waive entitlement to residual dollar amounts has been considered by both parties. It is agreed that the administrative costs for either party associated with collecting such small dollar amounts could exceed the amount to be recovered.

SECTION C Descriptions and Specifications

CLAUSES INCORPORATED BY FULL TEXT

**MK 71 MOD 2 ROCKET MOTOR HARDWARE PROCUREMENT
STATEMENT OF WORK**

1.0 SCOPE:

This Statement of Work (SOW) establishes and defines the requirements for the fabrication, inspection, and test of various MK 71 MOD 2 Rocket Motor hardware components per the Technical Drawings located in Section 2.0.

2.0 APPLICABLE DOCUMENTS:

The contractor is responsible for meeting the requirements of every applicable specification documented on the technical drawings, SOW and contract. The following list of documents is intended as an overview for the top-level requirements for this SOW. The documents listed are of the issue in effect on the date of invitation for bids or request for proposals form a part of this SOW to the extent herein.

Specifications:

- ASQ-Q9003 Quality Systems – Model for Quality Assurance in Final Inspection and Test
- ISO 10012-1 Quality Assurance Requirements for Measuring Equipment
- DOD-STD-2101 Classification of Characteristics
- MIL-HDBK-61A Configuration Management Guidance
- MIL-STD-810F Environmental Engineering Considerations and Laboratory Tests
- MIL-P-16594A Projectiles, Bombs, Rockets, and Guided Missile Warheads, Inert Parts, Manufacture of
- MIL-STD-130K Identification Marking of U.S. Military Property
- MIL-STD-1168B Ammunition Lot Numbering and Ammunition Data Card

Drawings:

Assembly	Parts	Title
4902192J (ECP IH03041)		Band, Shielding Assembly
	4902190J	Latching, Tab
	4902383J	Band, Shielding
	4902191-1J	Marking, Warning

4902194K	Barrier Assembly, Electromagnetic Radiation
4902195H	Marker, Electromagnetic Radiation Barrier
4902196J	Barrier, Electromagnetic Radiation
318AS290	Support
4902202F	Insert
4902203G	Adhesive
4902385E	Compound, Molding, Elastomeric
318AS285	Wire Assembly, Ignition Circuit
318AS281	Low Pass Filter
318AS287	Wire Contact Assembly
318AS288	Terminal Contact Assembly
318AS283	Wire
318AS284	Connector, Crimp Terminal Socket
1127684K	Terminal, Self Retaining
318AS289	Spacer, Igniter
318AS273	Insulator, Contact Band
318AS274	Band, Contact
318AS275	Filter
318AS279	Pin, Fettered Drive
318AS291	Bracket, Mounting

Data Item Description (DID):

DI-CMAN-80640	Request For Deviation (RFD)
DI-MISC-81356	Certificate of Compliance
DI-MISC-80508A	Technical Report – Study/Services
DI-RELI-81315	Failure Analysis And Corrective Action Report

2.1 Source of Government Documents:

Copies of specifications, standards, and publications required by suppliers in connection with specific procurement functions should be obtained from:

Commander
U.S. Naval Publications and Form Center
5801 Tabor Avenue
Philadelphia, PA 19120

A request for copies of the applicable drawings required to by the contractor or sub-contractor suppliers of material defined by the applicable drawings, statement of work and contractor should be obtained from:

For contract and procurement related inquiries please contact the following personnel:

Commander
Naval Surface Warfare Center/Indian Head Division
101 Strauss Avenue
Indian Head, MD 20640
Attn: Patsy Kragh, Code 1142P, Building 1558

For production and engineering related inquiries please contact the following personnel:

Commander
Naval Surface Warfare Center/Indian Head Division
101 Strauss Avenue
Indian Head, MD 20640
Attn: Tim Appleby, Code 2310A, Building 526

3.0 REQUIREMENTS:

3.1 General:

The contractor shall fabricate, inspect, test, and deliver the CLIN awarded per the applicable drawings listed in section 2.0. The contractor shall design and fabricate special tooling required to manufacture the respective CLIN.

3.2 Attribute Testing:

Sampling for attribute testing for critical and major characteristics shall be in accordance with MIL-STD-1916, Inspection Level II. Classification of characteristics shall be in accordance with DOD-STD-2101. At the option of the contracting activity, the levels of inspection and classification of characteristics may be raised or lowered; however, inspection for critical characteristics shall be 100 percent.

3.3 Documentation:

3.3.1 Requests For Deviation (RFD)

The prime contractor is responsible for preparing and submitting all requests for deviation. The prime contractor shall prepare and submit a single request for deviation for each proposed change to the engineering requirements as specified on the applicable drawings, specifications, statement of work and contract. All requests for deviation shall be submitted per deliverable CDRL A001.

3.3.2 Discrepancy Reports

Within 5 days of identifying a discrepancy to the drawing, SOW, or contract requirements, the contractor shall prepare and submit a discrepancy report describing the discrepancy observed and proposed corrective actions. Discrepancy reports are a deliverable per CDRL A002.

3.3.3 Attribute Test Report

The contractor is responsible for preparing and submitting an attribute test report for each CLIN. Attribute test reports are a deliverable per CDRL A003.

3.3.4 Certificates of Compliance

A Certificate of Compliance shall accompany each CLIN delivery. This certificate shall certify that all inspection and test data submitted is accurate and that the hardware submitted meets the requirements of the drawing, specification, SOW and contract. The Certificate of Compliance shall include the signature of a contractor representative authorized to make such certification. Certificates of Compliance are deliverables per CDRL A004.

4.0 QUALITY ASSURANCE:

4.1 Responsibility for Inspections

Unless otherwise specified in the contract or purchase order, the contractor is responsible for the performance of any inspections or tests required to verify compliance to the CLIN drawing and applicable specifications. Except, as otherwise specified, the contractor may utilize his own facilities or any commercial laboratory acceptable to the government. The government reserves the right to perform any inspections or tests required to verify conformance of the CLIN to its drawing and applicable specifications. The test procedures called out in the drawings or this statement of work are the standards by which all tests and inspection shall be performed.

4.2 Government Inspection of Facilities

The Government, through any authorized representative, may inspect the plant or plants of the contractor or of any subcontractors engaged in the performance of this contract.

If any examination or test is made by the Government on the premises of the contractor or a subcontractor, the contractor shall provide and require subcontractors to provide all reasonable facilities and assistance for the safety and convenience of the Government inspectors in the performance of their duties. All examinations and tests by the Government shall be performed in such a manner as will not unduly delay work.

Preliminary inspection and acceptance of first article and production quantities may be made by an authorized representative of the Contracting Officer at the contractor's plant prior to shipment. Final inspection and acceptance shall be made at the destination.

5.0 PRODUCTION:

5.1 Lot Formation

The maximum number of units delivered per material lot must not exceed 5,000 units.

5.2 Lot Identification

All hardware shall be engraved, etched or stamped with the appropriate markings designating the part or drawing number, revision number, and the lot number. The markings shall be in accordance with MIL-STD-130K and the lot number shall be in accordance with MIL-STD-1168B.

6.0 POST PRODUCTION:

6.1 Special Tooling

All special and unique tooling used to manufacture a CLIN included in this SOW shall become Government owned material at the completion of the contract. Special and unique tooling including molds, dies and stamps, shall be delivered to the procuring activity at the completion of the contract.

Title to all special and unique tooling shall pass to the government if the contractor defaults prior to completion of the contract

HQ C-2-0008 - ASSIGNMENT AND USE OF NATIONAL STOCK NUMBERS (NAVSEA) (MAY 1993)

To the extent that National Stock Numbers (NSNs) or preliminary NSNs are assigned by the Government for the identification of parts, pieces, items, subassemblies or assemblies to be furnished under this contract, the Contractor shall use such NSNs or preliminary NSNs in the preparation of provisioning lists, package labels, packing lists, shipping containers and shipping documents as required by applicable specifications, standards or Data item Descriptions of the contract or as required by orders for spare and repair parts. The cognizant Government Contract Administration Office shall be responsible for providing the Contractor such NSNs or preliminary NSNs which may be assigned and which are not already in possession of the Contractor.

SECTION D Packaging and Marking

CLAUSES INCORPORATED BY FULL TEXT

HQ D-1-0004 - PACKAGING LANGUAGE (W/OTHER THAN MIL-E-17555 REQUIREMENT) (NAVSEA)

For Level A packaging and Level A and Level B packing, use of polystyrene "loose-fill" material is prohibited for packaging and packing applications such as cushioning, filler, dunnage, etc.

For Level C packaging and packing and if specifications stated "Domestic shipment and early equipment installation of onboard repair parts", unless approved by the procuring activity (see 6.2 of the packaging specification), use of polystyrene "loose-fill" material for packaging and packing applications such as cushioning, filler, dunnage, etc. is prohibited. When approved, unit packages and containers (interior and exterior) shall be marked or labeled as follows:

Contents cushioned, etc. with polystyrene "loose-fill" material. Not to be taken aboard ship. Remove and discard "loose-fill" before shipboard storage. If required, recushion, etc., with cellulosic material, bound fiber, fiberboard, transparent flexible cellular material, etc.

In Section 6, "Ordering Data" add "when polystyrene 'loose-fill' material is approved".

HQ D-2-0004 - IDENTIFICATION MARKING OF PARTS (NAVSEA) (NOV 1996)

Identification marking of individual parts within the systems, equipments, assemblies, subassemblies, components, groups, sets or kits, and of spare and repair parts shall be done in accordance with applicable specifications and drawings. To the extent identification marking of such parts is not specified in applicable specifications or drawings, such marking shall be accomplished in accordance with the following:

- (1) Parts shall be marked in accordance with generally accepted commercial practice.
- (2) In cases where parts are so small as not to permit identification marking as provided above, such parts shall be appropriately coded so as to permit ready identification.

HQ D-2-0006 - MARKING AND PACKING LIST(S) (NAVSEA) (NOV 1996)

(a) Marking. Shipments, shipping containers and palletized unit loads shall be marked in accordance with best commercial practice.

(b) Packing List(s). A packing list (DD Form 250 Material Inspection and Receiving Report may be used) identifying the contents of each shipment, shipping container or palletized unit load shall be provided by the Contractor with each shipment. When a contract line item identified under a single stock number includes an assortment of related items such as kit or set components, detached parts or accessories, installation hardware or material, the packing list(s) shall identify the assorted items.

Where assortment of related items is included in the shipping container, a packing list identifying the contents shall be furnished.

(c) Master Packing List. In addition to the requirements in paragraph (b) above, a master packing list shall be prepared where more than one shipment, shipping container or palletized unit load comprise the contract line item being shipped. The master packing list shall be attached to the number one container and so identified.

(d) Part Identification. All items within the kit, set, installation hardware or material shall be suitably segregated and identified within the unit pack(s) or shipping container by part number and/or national stock number.

IHD 31 - MARKING OF SHIPMENTS (COMMERCIALLY PACKAGED ITEMS)(NAVSEA/IHD) FEB 2000

(a) Marking shall be in accordance with ASTM D 3951-90, "Commercial Packaging of Supplies and Equipment."

(b) Additional markings are stated below:

Contract No: **N00174-03-C-**

Bldg: **526**

Code: **2310P**

*Note: When the item is over 1000 lbs the contractor is to stencil the weight on the crate

SECTION E Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
ALL	Destination	Government	Destination	Government

CLAUSES INCORPORATED BY REFERENCE:

52.246-2	Inspection Of Supplies--Fixed Price	AUG 1996
52.246-16	Responsibility For Supplies	APR 1984

CLAUSES INCORPORATED BY FULL TEXT

52.246-11 HIGHER-LEVEL CONTRACT QUALITY (FEB 1999)

The Contractor shall comply with the higher-level quality standard selected below. (If more than one standard is listed, the offeror shall indicate its selection by checking the appropriate block.)

ISO 9000**252.246-7000 MATERIAL INSPECTION AND RECEIVING REPORT (MAR 2003)**

(a) At the time of each delivery of supplies or services under this contract, the Contractor shall prepare and furnish to the Government a material inspection and receiving report in the manner and to the extent required by Appendix F, Material Inspection and Receiving Report, of the Defense FAR Supplement.

(b) Contractor submission of the material inspection and receiving information required by Appendix F of the Defense FAR Supplement by using the Wide Area WorkFlow-Receipt and Acceptance (WAWF-RA) electronic form (see paragraph (b)(1) of the clause at 252.232-7003) fulfills the requirement for a material inspection and receiving report (DD Form 250).

IHD 46 - SAMPLING OF RECEIVED MATERIAL - MAN-RATED MATERIAL (NAVSEA/IHD) FEB 2000

(a) When the Indian Head Division, Naval Sea Systems Command, Indian Head, Md. receipt inspects man-rated material under this contract for rockets, catapults, cartridge actuated devices and their component parts, the following sampling procedures will be used in accordance with:

MIL-STD-105D - Level II with:

AQL of .040 for criticals

AQL of 1.00 for majors

AQL of 2.50 for minors

(b) In all cases the acceptance number will be ZERO (0), the lot will be rejected for any defect.

(c) Notwithstanding the above, the Indian Head Division, Naval Sea Systems Command, Indian Head, Md. may, at its discretion, accept a defect on a waiver on a case-by-case basis.

IHD 47 - INSPECTION AND ACCEPTANCE TIMEFRAME (NAVSEA/IHD) FEB 2000

Inspection and acceptance of supplies to be furnished under this contract shall be made by the Government within **45** days after receipt of material. Payment will be tendered not later than 30 days after acceptance has occurred.

IHD 49 - INSPECTION AND ACCEPTANCE (DESTINATION) (NAVSEA/IHD) (FEB 2000)

Inspection and acceptance of the supplies or services to be furnished hereunder shall be made at destination by the receiving activity.

SECTION F Deliveries or Performance

52.211-8 TIME OF DELIVERY (JUN 1997)

(a) The Government requires delivery to be made according to the following schedule:

CLINS	DELIVERY DATE	UNIT OF ISSUE	QUANTITY	FOB	SHIP TO ADDRESS
0001	120 DAYS ADC	Assembly	3,800	Dest.	N00174 NAVSEA INDIAN HEAD RECEIVING RECEIVING OFFICER BLDG 116 101 STRAUSS AVE. INDIAN HEAD MD 20640-5035 ATTN: GLORIA PANNING CODE: 2310P
0002	120 DAYS ADC	Assembly	3,800	Dest.	Same as CLIN 0001
0003	120 DAYS ADC	Assembly	3,800	Dest.	Same as CLIN 0001
0004	120 DAYS ADC	Each	500	Dest.	Same as CLIN 0001
0005	120 DAYS ADC	Each	3,900	Dest.	Same as CLIN 0001
0006	120 DAYS ADC	Each	3,900	Dest.	Same as CLIN 0001
0007	120 DAYS ADC	Each	3,900	Dest.	Same as CLIN 0001
0008	120 DAYS ADC	Each	800	Dest.	Same as CLIN 0001
0009	120 DAYS ADC	Each	3,900	Dest.	Same as CLIN 0001
0010	120 DAYS After Exercise of Option	Assembly	As specified when option is exercised	Dest.	Same as CLIN 0001
0011	120 DAYS After Exercise of Option	Assembly	Same as CLIN 0010	Dest.	Same as CLIN 0001
0012	120 DAYS After Exercise of Option	Assembly	Same as CLIN 0010	Dest.	Same as CLIN 0001
0013	120 DAYS After Exercise of Option	Each	Same as CLIN 0010	Dest.	Same as CLIN 0001
0014	120 DAYS After Exercise of Option	Each	Same as CLIN 0010	Dest.	Same as CLIN 0001
0015	120 DAYS After Exercise of Option	Each	Same as CLIN 0010	Dest.	Same as CLIN 0001
0016	120 DAYS After Exercise of Option	Each	Same as CLIN 0010	Dest.	Same as CLIN 0001
0017	120 DAYS After Exercise of Option	Each	Same as CLIN 0010	Dest.	Same as CLIN 0001
0018	120 DAYS After Exercise of Option	Each	Same as CLIN 0010	Dest.	Same as CLIN 0001
0019	120 DAYS After Exercise of Option	Assembly	Same as CLIN 0010	Dest.	Same as CLIN 0001
0020	120 DAYS After Exercise of Option	Assembly	Same as CLIN 0010	Dest.	Same as CLIN 0001
0021	120 DAYS After Exercise of Option	Assembly	Same as CLIN 0010	Dest.	Same as CLIN 0001
0022	120 DAYS After Exercise of Option	Each	Same as CLIN 0010	Dest.	Same as CLIN 0001
0023	120 DAYS After Exercise of Option	Each	Same as CLIN 0010	Dest.	Same as CLIN 0001
0024	120 DAYS After Exercise	Each	Same as	Dest.	Same as CLIN 0001

0025	of Option 120 DAYS After Exercise	Each	CLIN 0010 Same as	Dest.	Same as CLIN 0001
0026	of Option 120 DAYS After Exercise	Each	CLIN 0010 Same as	Dest.	Same as CLIN 0001
0027	of Option 120 DAYS After Exercise	Each	CLIN 0010 Same as	Dest.	Same as CLIN 0001
0028	of Option 120 DAYS After Exercise	Assembly	CLIN 0010 Same as	Dest.	Same as CLIN 0001
0029	of Option 120 DAYS After Exercise	Assembly	CLIN 0010 Same as	Dest.	Same as CLIN 0001
0030	of Option 120 DAYS After Exercise	Assembly	CLIN 0010 Same as	Dest.	Same as CLIN 0001
0031	of Option 120 DAYS After Exercise	Each	CLIN 0010 Same as	Dest.	Same as CLIN 0001
0032	of Option 120 DAYS After Exercise	Each	CLIN 0010 Same as	Dest.	Same as CLIN 0001
0033	of Option 120 DAYS After Exercise	Each	CLIN 0010 Same as	Dest.	Same as CLIN 0001
0034	of Option 120 DAYS After Exercise	Each	CLIN 0010 Same as	Dest.	Same as CLIN 0001
0035	of Option 120 DAYS After Exercise	Each	CLIN 0010 Same as	Dest.	Same as CLIN 0001
0036	of Option 120 DAYS After Exercise	Each	CLIN 0010 Same as	Dest.	Same as CLIN 0001
0037	of Option 120 DAYS After Exercise	Assembly	CLIN 0010 Same as	Dest.	Same as CLIN 0001
0038	of Option 120 DAYS After Exercise	Assembly	CLIN 0010 Same as	Dest.	Same as CLIN 0001
0039	of Option 120 DAYS After Exercise	Assembly	CLIN 0010 Same as	Dest.	Same as CLIN 0001
0040	of Option 120 DAYS After Exercise	Each	CLIN 0010 Same as	Dest.	Same as CLIN 0001
0041	of Option 120 DAYS After Exercise	Each	CLIN 0010 Same as	Dest.	Same as CLIN 0001
0042	of Option 120 DAYS After Exercise	Each	CLIN 0010 Same as	Dest.	Same as CLIN 0001
0043	of Option 120 DAYS After Exercise	Each	CLIN 0010 Same as	Dest.	Same as CLIN 0001
0044	of Option 120 DAYS After Exercise	Each	CLIN 0010 Same as	Dest.	Same as CLIN 0001
0045	of Option 120 DAYS After Exercise	Each	CLIN 0010 Same as	Dest.	Same as CLIN 0001

OFFEROR'S PROPOSED DELIVERY SCHEDULE		
ITEM NO.	QUANTITY	WITHIN DAYS AFTER DATE OF CONTRACT

(b) Attention is directed to the Contract Award provision of the solicitation that provides that a written award or acceptance of offer mailed, or otherwise furnished to the successful offeror, results in a binding contract. The Government will mail or otherwise furnish to the offeror an award or notice of award not later than the day award is dated. Therefore, the offeror should compute the time available for performance beginning with the actual date of award, rather than the date the written notice of award is received from the Contracting Officer through the ordinary mails. However, the Government will evaluate an offer that proposes delivery based on the Contractor's date of receipt of the contract or notice of award by adding (1) five calendar days for delivery of the award through the ordinary mails, or (2) one working day if the solicitation states that the contract or notice of award will be transmitted electronically. (The term "working day" excludes weekends and U.S. Federal holidays.) If, as so computed, the offered delivery date is later than the required delivery date, the offer will be considered nonresponsive and rejected.

CLAUSES INCORPORATED BY REFERENCE:

52.211-17	Delivery of Excess Quantities	SEP 1989
52.242-15	Stop-Work Order	AUG 1989
52.242-17	Government Delay Of Work	APR 1984
52.247-34	F.O.B. Destination	NOV 1991

CLAUSES INCORPORATED BY FULL TEXT

IHD 61 - PLACE OF DELIVERY: DESTINATION (NAVSEA/IHD) FEB 2000

(a) The articles to be furnished hereunder shall be delivered all transportation charges paid by the contractor to:

Receiving Officer
 Indian Head Division
 Naval Sea Systems Command
 101 Strauss Avenue
 Indian Head, Maryland 20640-5035

(b) Bids submitted on a basis other than F.O.B. Destination will be rejected as non-responsive and proposals may be deemed unacceptable.

SECTION G Contract Administration Data

CLAUSES INCORPORATED BY REFERENCE:

252.242-7000 Postaward Conference

DEC 1991

CLAUSES INCORPORATED BY FULL TEXT

NAPS 5252.232-9000 SUBMISSION OF INVOICES (FIXED PRICE) (JUL 1992)

(a) "Invoice" as used in this clause does not include contractor requests for progress payments.

(b) The contractor shall submit original invoices with copies to the address identified in the solicitation/contract award form (SF 26-Block 10; SF 33-Block 23; SF 1447-Block 14), unless delivery orders are applicable, in which case invoices will be segregated by individual order and submitted to the address specified in the order (DD 1155-Block 13 or SF 26-Block 10).

(c) The use of copies of the Material Inspection and Receiving Report (MIRR), DD Form 250, as an invoice is encouraged. DFARS Appendix F-306 provides instructions for such use. Copies of the MIRR used as an invoice are in addition to the standard distribution stated in DFARS F-401.

(d) In addition to the requirements of the Prompt Payment clause of this contract, the contractor shall cite on each invoice the contract line item number (CLIN); the contract subline item number (SLIN), if applicable; the accounting classification reference number (ACRN) as identified on the financial accounting data sheets, and the payment terms.

(e) The contractor shall prepare:

- ☐ a separate invoice for each activity designated to receive the supplies or services.
- ☐ a consolidated invoice covering all shipments delivered under an individual order.
- ☒ either of the above.

(f) If acceptance is at origin, the contractor shall submit the MIRR or other acceptance verification directly to the designated payment office. If acceptance is at destination, the consignee will forward acceptance verification to the designated payment office.

INVOICE MAILING INSTRUCTIONS

MAIL INVOICES TO: **NAVSEA, Indian Head Division**
Comptroller Department Code 021
Accounting and Finance Division, Building 1601
101 Strauss Avenue
Indian Head, Md. 20640-5035

NOTE: It is extremely important that your invoice be mailed to the address cited above. **FAILURE TO DO SO WILL RESULT IN A DELAY OF YOUR PAYMENT.** Informational copies of the invoice may be mailed to the contract administrator and/or the technical point of contact; however, the official invoice must be mailed to the Indian Head Comptroller Department.

HQ G-2-0003 - CONTRACT ADMINISTRATION DATA LANGUAGE (NAVSEA)**(a) Electronic Funds Transfer (EFT) Payment Requirements**

FAR 52.232-33, MANDATORY INFORMATION FOR ELECTRONIC FUNDS TRANSFER PAYMENT, is included in this solicitation/contract. All Contractor payments will be made by EFT unless excepted or otherwise determined by the paying office designated in the contract.

The Contractor must initiate enrollment in EFT by contacting the paying office designated in the contract and requesting form SF 3881, Automated Clearing House (ACH) Vendor/Miscellaneous Payment Enrollment Plan. This form must be completed by the Contractor and their financial institution and returned to the paying office. The paying office will complete the process and notify the Contractor that EFT enrollment is complete. All payments under this contract will be held until the Contractor provides the required EFT enrollment information.

(b) Enter below the address (street and number, city, county, state and zip code) of the Contractor's facility which will administer the contract if such address is different from the address shown on the SF 26 or SF 33, as applicable.

IHD 6 CONTRACT POINTS OF CONTACT (NAVSEA/IHD)

The following contacts are provided for this contract:

Contract Administrator:	
Phone Number:	(301)744-
Payments/Invoicing:	
Phone Number:	(301)744-
Technical Representative:	
Phone Number:	(301)744-

Any concerns regarding your contract, should be directed to the above mentioned personnel, or the Contracting Officer **Ruth D. Adams at 301-744-6655.**

IHD 76 - INDIAN HEAD DIVISION, NAVAL SEA SYSTEMS COMMAND, HOURS OF OPERATION AND HOLIDAY SCHEDULE (NAVSEA/IHD) FEB 2000

1. The policy of this station is to schedule periods of reduced operations or shutdown during holiday periods. Deliveries will not be accepted on Saturdays, Sundays or Holidays except as specifically requested by the Naval Sea Systems Command. All goods or services attempted to be delivered on a Saturday, Sunday or Holiday without specific instructions from the Contracting Officer or his duly appointed representative will be returned to the contractor at his expense with no cost or liability to the U.S. Government.

2. The scheduled holidays for Indian Head Division, Naval Sea Systems Command are:

<u>HOLIDAY</u>	<u>DATE OF OBSERVANCE</u>
New Year's Day	01 January (Tuesday)*
Martin Luther King's Birthday	21 January (Monday)*
President's Day	18 February (Monday)*
Memorial Day	28 May (Monday)*
Independence Day	4 July (Wednesday)*
Labor Day	3 September (Monday)*
Columbus Day	15 October (Monday)*
Veteran's Day	12 November (Monday)*
Thanksgiving Day	22 November (Thursday)*
Christmas Day	25 December (Tuesday)*

* If the actual date falls on a Saturday, the holiday will be observed the preceding Friday. If the holiday falls on a Sunday, the observance shall be on the following Monday.

3. The hours of operation for the Contracts Division and Receiving Branch are as follows:

<u>AREA</u>	<u>FROM</u>	<u>TO</u>
Contracts Division (BLDG. 1558)	7:30 A.M.	4:00 P.M.
Receiving Branch (BLDG. 116)	7:30 A.M.	11:00 A.M.
	12:30 P.M.	2:00 P.M.

If you intend to visit the Contracts Division, it is advised that you call for an appointment at least 24 hours in advance.

SECTION H Special Contract Requirements

CLAUSES INCORPORATED BY FULL TEXT

5252.202-9101 ADDITIONAL DEFINITIONS (MAY 1993)

As used throughout this contract, the following terms shall have the meanings set forth below:

- (a) DEPARTMENT - means the Department of the Navy.
- (b) REFERENCES TO THE FEDERAL ACQUISITION REGULATION (FAR) - All references to the FAR in this contract shall be deemed to also reference the appropriate sections of the Defense FAR Supplement (DFARS), unless clearly indicated otherwise.
- (c) REFERENCES TO ARMED SERVICES PROCUREMENT REGULATION OR DEFENSE ACQUISITION REGULATION - All references in this document to either the Armed Services Procurement Regulation (ASPR) or the Defense Acquisition Regulation (DAR) shall be deemed to be references to the appropriate sections of the FAR/DFARS.
- (d) NATIONAL STOCK NUMBERS - Whenever the term Federal Item Identification Number and its acronym FIIN or the term Federal Stock Number and its acronym FSN appear in the contract, order or their cited specifications and standards, the terms and acronyms shall be interpreted as National Item Identification Number (NIIN) and National Stock Number (NSN) respectively which shall be defined as follows:
 - (1) National Item Identification Number (NIIN). The number assigned to each approved Item Identification under the Federal Cataloging Program. It consists of nine numeric characters, the first two of which are the National Codification Bureau (NCB) Code. The remaining positions consist of a seven digit non-significant number.
 - (2) National Stock Number (NSN). The National Stock Number (NSN) for an item of supply consists of the applicable four position Federal Supply Class (FSC) plus the applicable nine position NIIN assigned to the item of supply.

IHD 113 - NOTICE OF INCORPORATION OF SECTIONS K, L, AND M (NAVSEA/IHD) FEB 2000

The following sections of the solicitation will not be distributed with the contract; however, they are incorporated in and form a part of the resultant contract as though furnished in full text therewith:

SECTION	TITLE
K	Representations, Certifications and Other Statements of Offerors (Bidders)
L	Instructions, Conditions, and Notices to Offerors (Bidders)
M	Evaluation Factors for Award

SECTION I Contract Clauses

CLAUSES INCORPORATED BY REFERENCE:

52.202-1	Definitions	DEC 2001
52.203-3	Gratuities	APR 1984
52.203-5	Covenant Against Contingent Fees	APR 1984
52.203-6	Restrictions On Subcontractor Sales To The Government	JUL 1995
52.203-7	Anti-Kickback Procedures	JUL 1995
52.203-10	Price Or Fee Adjustment For Illegal Or Improper Activity	JAN 1997
52.203-12	Limitation On Payments To Influence Certain Federal Transactions	JUN 2003
52.204-4	Printed or Copied Double-Sided on Recycled Paper	AUG 2000
52.208-9	Contractor Use of Mandatory Sources of Supply or Services	FEB 2002
52.209-6	Protecting the Government's Interest When Subcontracting With Contractors Debarred, Suspended, or Proposed for Debarment	JUL 1995
52.211-5	Material Requirements	AUG 2000
52.211-15	Defense Priority And Allocation Requirements	SEP 1990
52.215-2	Audit and Records--Negotiation	JUN 1999
52.215-8	Order of Precedence--Uniform Contract Format	OCT 1997
52.215-14	Integrity of Unit Prices	OCT 1997
52.215-21	Requirements for Cost or Pricing Data or Information Other Than Cost or Pricing Data--Modifications	OCT 1997
52.219-6	Notice Of Total Small Business Set-Aside	JUN 2003
52.219-8	Utilization of Small Business Concerns	OCT 2000
52.219-14	Limitations On Subcontracting	DEC 1996
52.222-3	Convict Labor	JUN 2003
52.222-19	Child Labor--Cooperation with Authorities and Remedies	SEP 2002
52.222-20	Walsh-Healy Public Contracts Act	DEC 1996
52.222-21	Prohibition Of Segregated Facilities	FEB 1999
52.222-26	Equal Opportunity	APR 2002
52.222-35	Equal Opportunity For Special Disabled Veterans, Veterans of the Vietnam Era and Other Eligible Veterans	DEC 2001
52.222-36	Affirmative Action For Workers With Disabilities	JUN 1998
52.222-37	Employment Reports On Special Disabled Veterans, Veterans Of The Vietnam Era, and Other Eligible Veterans	DEC 2001
52.223-6	Drug Free Workplace	MAY 2001
52.223-13	Certification of Toxic Chemical Release Reporting	JUN 2003
52.223-14	Toxic Chemical Release Reporting	JUN 2003
52.225-8	Duty-Free Entry	FEB 2000
52.225-13	Restrictions on Certain Foreign Purchases	JUN 2003
52.226-1	Utilization Of Indian Organizations And Indian-Owned Economic Enterprises	JUN 2000
52.227-1	Authorization and Consent	JUL 1995
52.227-2	Notice And Assistance Regarding Patent And Copyright Infringement	AUG 1996
52.229-3	Federal, State And Local Taxes	APR 2003
52.232-1	Payments	APR 1984
52.232-8	Discounts For Prompt Payment	FEB 2002
52.232-11	Extras	APR 1984
52.232-16 Alt I	Progress Payments (Apr 2003) - Alternate I	MAR 2000
52.232-17	Interest	JUN 1996
52.232-23	Assignment Of Claims	JAN 1986

52.232-25	Prompt Payment	FEB 2002
52.232-33	Payment by Electronic Funds Transfer--Central Contractor Registration	MAY 1999
52.233-1	Disputes	JUL 2002
52.233-1 Alt I	Disputes (Jul 2002) - Alternate I	DEC 1991
52.233-3	Protest After Award	AUG 1996
52.242-13	Bankruptcy	JUL 1995
52.243-1	Changes--Fixed Price	AUG 1987
52.246-23	Limitation Of Liability	FEB 1997
52.247-63	Preference For U.S. Flag Air Carriers	JUN 2003
52.248-1	Value Engineering	FEB 2000
52.249-2	Termination For Convenience Of The Government (Fixed-Price)	SEP 1996
52.249-8	Default (Fixed-Price Supply & Service)	APR 1984
52.251-1	Government Supply Sources	APR 1984
52.253-1	Computer Generated Forms	JAN 1991
252.203-7001	Prohibition On Persons Convicted of Fraud or Other Defense-Contract-Related Felonies	MAR 1999
252.204-7003	Control Of Government Personnel Work Product	APR 1992
252.204-7004	Required Central Contractor Registration	NOV 2001
252.205-7000	Provisions Of Information To Cooperative Agreement Holders	DEC 1991
252.209-7000	Acquisition From Subcontractors Subject To On-Site Inspection Under The Intermediate Range Nuclear Forces (INF) Treaty	NOV 1995
252.209-7001	Disclosure of Ownership or Control by the Government of a Terrorist Country	MAR 1998
252.209-7004	Subcontracting With Firms That Are Owned or Controlled By The Government of a Terrorist Country	MAR 1998
252.223-7004	Drug Free Work Force	SEP 1988
252.225-7001	Buy American Act And Balance Of Payments Program	APR 2003
252.225-7002	Qualifying Country Sources As Subcontractors	APR 2003
252.225-7012	Preference For Certain Domestic Commodities	FEB 2003
252.225-7016	Restriction On Acquisition Of Ball and Roller Bearings	APR 2003
252.225-7025	Restriction on Acquisition of Forgings	APR 2003
252.225-7031	Secondary Arab Boycott Of Israel	APR 2003
252.225-7037	Evaluation of Offers for Air Circuit Breakers	APR 2003
252.232-7004	DOD Progress Payment Rates	OCT 2001
252.243-7001	Pricing Of Contract Modifications	DEC 1991
252.243-7002	Requests for Equitable Adjustment	MAR 1998
252.246-7000	Material Inspection And Receiving Report	MAR 2003
252.247-7023	Transportation of Supplies by Sea	MAY 2002

CLAUSES INCORPORATED BY FULL TEXT

52.209-6 PROTECTING THE GOVERNMENT'S INTEREST WHEN SUBCONTRACTING WITH CONTRACTORS DEBARRED, SUSPENDED, OR PROPOSED FOR DEBARMENT (JUL 1995)

(a) The Government suspends or debar Contractors to protect the Government's interests. The Contractor shall not enter into any subcontract in excess of the \$25,000 with a Contractor that is debarred, suspended, or proposed for debarment unless there is a compelling reason to do so.

(b) The Contractor shall require each proposed first-tier subcontractor, whose subcontract will exceed \$25,000, to disclose to the Contractor, in writing, whether as of the time of award of the subcontract, the subcontractor, or its principles, is or is not debarred, suspended, or proposed for debarment by the Federal Government.

(c) A corporate officer or a designee of the Contractor shall notify the Contracting Officer, in writing, before entering into a subcontract with a party that is debarred, suspended, or proposed for debarment (see FAR 9.404 for information on the List of Parties Excluded from Federal Procurement and Nonprocurement Programs). The notice must include the following:

(1) The name of the subcontractor.

(2) The Contractor's knowledge of the reasons for the subcontractor being on the List of Parties Excluded from Federal Procurement and Nonprocurement Programs.

(3) The compelling reason(s) for doing business with the subcontractor notwithstanding its inclusion on the List of Parties Excluded from Federal Procurement and Nonprocurement Programs.

(4) The systems and procedures the Contractor has established to ensure that it is fully protecting the Government's interests when dealing with such subcontractor in view of the specific basis for the party's debarment, suspension, or proposed debarment.

(End of clause)

52.217-7 OPTION FOR INCREASED QUANTITY--SEPARATELY PRICED LINE ITEM (MAR 1989)

The Government may require the delivery of the numbered line item, identified in the Schedule as an option item, in the quantity and at the price stated in the Schedule. The Contracting Officer may exercise the option by written notice to the Contractor within **60** days. **Options will be exercised as needed.** Delivery of added items shall continue at the same rate that like items are called for under the contract, unless the parties otherwise agree.

52.252-2 CLAUSES INCORPORATED BY REFERENCE (FEB 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es):

<http://www.arnet.gov/far/>

<http://www.acq.osd.mil/dp/dars/dfars/dfars.html>

SECTION J List of Documents, Exhibits and Other Attachments

Section J

1. Drawing #'s 4902192, Rev J, 4902383 Rev J, 4902190 Rev J, 4902191 Rev J, 4902194 Rev K, 4902195 Rev H, 4902196 Rev J, 4902202 Rev F, 4902203 Rev G, 318AS290, 318AS285, 318AS281, 318AS287, 318AS288, 318AS283, 318AS284, 1127684 Rev K, 318AS289, 318AS273, 318AS274, 318AS275, 318AS279, 318AS291, 4902385 Rev E
2. Engineering Change Proposal (ECP) #IH03046
3. Contract Data Requirements List (CDRL's) – DD1423
4. Data Item Description (DID's) – DD 1664
5. Past Performance Matrix
6. Past Performance Questionnaire
7. Past Performance Cover Sheet

SECTION K Representations, Certifications and Other Statements of Offerors

CLAUSES INCORPORATED BY REFERENCE:

52.203-11	Certification And Disclosure Regarding Payments To Influence Certain Federal Transactions	APR 1991
52.222-38	Compliance with Veterans' Employment Reporting Requirements	DEC 2001
252.209-7001	Disclosure of Ownership or Control by the Government of a Terrorist Country	MAR 1998

CLAUSES INCORPORATED BY FULL TEXT

52.203-2 CERTIFICATE OF INDEPENDENT PRICE DETERMINATION (APR 1985)

(a) The offeror certifies that --

(1) The prices in this offer have been arrived at independently, without, for the purpose of restricting competition, any consultation, communication, or agreement with any other offeror or competitor relating to --

(i) Those prices,

(ii) The intention to submit an offer, or

(iii) The methods of factors used to calculate the prices offered:

(2) The prices in this offer have not been and will not be knowingly disclosed by the offeror, directly or indirectly, to any other offeror or competitor before bid opening (in the case of a sealed bid solicitation) or contract award (in the case of a negotiated solicitation) unless otherwise required by law; and

(3) No attempt has been made or will be made by the offeror to induce any other concern to submit or not to submit an offer for the purpose of restricting competition.

(b) Each signature on the offer is considered to be a certification by the signatory that the signatory --

(1) Is the person in the offeror's organization responsible for determining the prices offered in this bid or proposal, and that the signatory has not participated and will not participate in any action contrary to subparagraphs (a)(1) through (a)(3) of this provision; or

(2) (i) Has been authorized, in writing, to act as agent for the following principals in certifying that those principals have not participated, and will not participate in any action contrary to subparagraphs (a)(1) through (a)(3) of this provision _____ (insert full name of person(s) in the offeror's organization responsible for determining the prices offered in this bid or proposal, and the title of his or her position in the offeror's organization);

(ii) As an authorized agent, does certify that the principals named in subdivision (b)(2)(i) above have not participated, and will not participate, in any action contrary to subparagraphs (a)(1) through (a)(3) above; and

(iii) As an agent, has not personally participated, and will not participate, in any action contrary to subparagraphs (a)(1) through (a)(3) of this provision.

(c) If the offeror deletes or modifies subparagraph (a)(2) of this provision, the offeror must furnish with its offer a signed statement setting forth in detail the circumstances of the disclosure.

52.204-3 TAXPAYER IDENTIFICATION (OCT 1998)

(a) Definitions.

Common parent, as used in this provision, means that corporate entity that owns or controls an affiliated group of corporations that files its Federal income tax returns on a consolidated basis, and of which the offeror is a member.

Taxpayer Identification Number (TIN), as used in this provision, means the number required by the Internal Revenue Service (IRS) to be used by the offeror in reporting income tax and other returns. The TIN may be either a Social Security Number or an Employer Identification Number.

(b) All offerors must submit the information required in paragraphs (d) through (f) of this provision to comply with debt collection requirements of 31 U.S.C. 7701(c) and 3325(d), reporting requirements of 26 U.S.C. 6041, 6041A, and 6050M, and implementing regulations issued by the IRS. If the resulting contract is subject to the payment reporting requirements described in Federal Acquisition Regulation (FAR) 4.904, the failure or refusal by the offeror to furnish the information may result in a 31 percent reduction of payments otherwise due under the contract.

(c) The TIN may be used by the Government to collect and report on any delinquent amounts arising out of the offeror's relationship with the Government (31 U.S.C. 7701(c)(3)). If the resulting contract is subject to the payment reporting requirements described in FAR 4.904, the TIN provided hereunder may be matched with IRS records to verify the accuracy of the offeror's TIN.

(d) Taxpayer Identification Number (TIN).

___ TIN:-----

___ TIN has been applied for.

___ TIN is not required because:

___ Offeror is a nonresident alien, foreign corporation, or foreign partnership that does not have income effectively connected with the conduct of a trade or business in the United States and does not have an office or place of business or a fiscal paying agent in the United States;

___ Offeror is an agency or instrumentality of a foreign government;

___ Offeror is an agency or instrumentality of the Federal Government.

(e) Type of organization.

___ Sole proprietorship;

___ Partnership;

___ Corporate entity (not tax-exempt);

___ Corporate entity (tax-exempt);

___ Government entity (Federal, State, or local);

___ Foreign government;

___ International organization per 26 CFR 1.6049-4;

___ Other-----

(f) Common parent.

___ Offeror is not owned or controlled by a common parent as defined in paragraph (a) of this provision.

___ Name and TIN of common parent:

Name-----

TIN-----

52.207-4 ECONOMIC PURCHASE QUANTITY--SUPPLIES (AUG 1987)

(a) Offerors are invited to state an opinion on whether the quantity(ies) of supplies on which bids, proposals or quotes are requested in this solicitation is (are) economically advantageous to the Government.

Each offeror who believes that acquisitions in different quantities would be more advantageous is invited to recommend an economic purchase quantity. If different quantities are recommended, a total and a unit price must be quoted for applicable items. An economic purchase quantity is that quantity at which a significant price break occurs. If there are significant price breaks at different quantity points, this information is desired as well.

	OFFEROR RECOMMENDATIONS		
	PRICE		
ITEM	QUANTITY	QUOTATION	TOTAL

(c) The information requested in this provision is being solicited to avoid acquisitions in disadvantageous quantities and to assist the Government in developing a data base for future acquisitions of these items. However, the Government reserves the right to amend or cancel the solicitation and resolicit with respect to any individual item in the event quotations received and the Government's requirements indicate that different quantities should be acquired.

52.209-5 CERTIFICATION REGARDING DEBARMENT, SUSPENSION, PROPOSED DEBARMENT, AND OTHER RESPONSIBILITY MATTERS (DEC 2001)

(a)(1) The Offeror certifies, to the best of its knowledge and belief, that--

(i) The Offeror and/or any of its Principals--

(A) Are () are not () presently debarred, suspended, proposed for debarment, or declared ineligible for the award of contracts by any Federal agency;

(B) Have () have not (), within a three-year period preceding this offer, been convicted of or had a civil judgment rendered against them for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, state, or local) contract or subcontract; violation of Federal or state antitrust statutes relating to the submission of offers; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, tax evasion, or receiving stolen property; and

(C) Are () are not () presently indicted for, or otherwise criminally or civilly charged by a governmental entity with, commission of any of the offenses enumerated in subdivision (a)(1)(i)(B) of this provision.

(ii) The Offeror has () has not (), within a three-year period preceding this offer, had one or more contracts terminated for default by any Federal agency.

(2) "Principals," for the purposes of this certification, means officers; directors; owners; partners; and, persons having primary management or supervisory responsibilities within a business entity (e.g., general manager; plant manager; head of a subsidiary, division, or business segment, and similar positions).

THIS CERTIFICATION CONCERNS A MATTER WITHIN THE JURISDICTION OF AN AGENCY OF THE UNITED STATES AND THE MAKING OF A FALSE, FICTITIOUS, OR FRAUDULENT CERTIFICATION MAY RENDER THE MAKER SUBJECT TO PROSECUTION UNDER SECTION 1001, TITLE 18, UNITED STATES CODE.

(b) The Offeror shall provide immediate written notice to the Contracting Officer if, at any time prior to contract award, the Offeror learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

(c) A certification that any of the items in paragraph (a) of this provision exists will not necessarily result in withholding of an award under this solicitation. However, the certification will be considered in connection with a determination of the Offeror's responsibility. Failure of the Offeror to furnish a certification or provide such additional information as requested by the Contracting Officer may render the Offeror nonresponsible.

(d) Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render, in good faith, the certification required by paragraph (a) of this provision. The knowledge and information of an Offeror is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

(e) The certification in paragraph (a) of this provision is a material representation of fact upon which reliance was placed when making award. If it is later determined that the Offeror knowingly rendered an erroneous certification, in addition to other remedies available to the Government, the Contracting Officer may terminate the contract resulting from this solicitation for default.

52.215-6 PLACE OF PERFORMANCE (OCT 1997)

(a) The offeror or respondent, in the performance of any contract resulting from this solicitation, () intends, () does not intend [check applicable block] to use one or more plants or facilities located at a different address from the address of the offeror or respondent as indicated in this proposal or response to request for information.

(b) If the offeror or respondent checks "intends" in paragraph (a) of this provision, it shall insert in the following spaces the required information:

**Place of Performance(Street Address, City, State,
County, Zip Code)**

**Name and Address of Owner and Operator of the
Plant or Facility if Other Than Offeror or
Respondent**

52.219-1 SMALL BUSINESS PROGRAM REPRESENTATIONS (APR 2002) ALTERNATE I (APR 2002)

(a)(1) The North American Industry Classification System (NAICS) code for this acquisition is **336415**.

(2) The small business size standard is **1000 EMPLOYEES**.

(3) The small business size standard for a concern which submits an offer in its own name, other than on a construction or service contract, but which proposes to furnish a product which it did not itself manufacture, is 500 employees.

(b) Representations. (1) The offeror represents as part of its offer that it () is, () is not a small business concern.

(2) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents, for general statistical purposes, that it () is, () is not a small disadvantaged business concern as defined in 13 CFR 124.1002.

(3) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents as part of its offer that it () is, () is not a women-owned small business concern.

(4) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents as part of its offer that it () is, () is not a veteran-owned small business concern.

(5) (Complete only if the offeror represented itself as a veteran-owned small business concern in paragraph (b)(4) of this provision.) The offeror represents as part of its offer that it () is, () is not a service-disabled veteran-owned small business concern.

(6) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents, as part of its offer, that--

(i) It () is, () is not a HUBZone small business concern listed, on the date of this representation, on the List of Qualified HUBZone Small Business Concerns maintained by the Small Business Administration, and no material change in ownership and control, principal office, or HUBZone employee percentage has occurred since it was certified by the Small Business Administration in accordance with 13 CFR part 126; and

(ii) It () is, () is not a joint venture that complies with the requirements of 13 CFR part 126, and the representation in paragraph (b)(6)(i) of this provision is accurate for the HUBZone small business concern or concerns that are participating in the joint venture. (The offeror shall enter the name or names of the HUBZone small business concern or concerns that are participating in the joint venture: _____.) Each HUBZone small business concern participating in the joint venture shall submit a separate signed copy of the HUBZone representation.

(7) (Complete if offeror represented itself as disadvantaged in paragraph (b)(2) of this provision.) The offeror shall check the category in which its ownership falls:

() Black American.

() Hispanic American.

() Native American (American Indians, Eskimos, Aleuts, or Native Hawaiians).

() Asian-Pacific American (persons with origins from Burma, Thailand, Malaysia, Indonesia, Singapore, Brunei, Japan, China, Taiwan, Laos, Cambodia (Kampuchea), Vietnam, Korea, The Philippines, U.S. Trust Territory of the Pacific Islands (Republic of Palau), Republic of the Marshall Islands, Federated States of Micronesia, the

Commonwealth of the Northern Mariana Islands, Guam, Samoa, Macao, Hong Kong, Fiji, Tonga, Kiribati, Tuvalu, or Nauru).

() Subcontinent Asian (Asian-Indian) American (persons with origins from India, Pakistan, Bangladesh, Sri Lanka, Bhutan, the Maldives Islands, or Nepal).

() Individual/concern, other than one of the preceding.

(c) Definitions. As used in this provision--

Service-disabled veteran-owned small business concern--

(1) Means a small business concern--

(i) Not less than 51 percent of which is owned by one or more service-disabled veterans or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more service-disabled veterans; and

(ii) The management and daily business operations of which are controlled by one or more service-disabled veterans or, in the case of a veteran with permanent and severe disability, the spouse or permanent caregiver of such veteran.

(2) Service-disabled veteran means a veteran, as defined in 38 U.S.C. 101(2), with a disability that is service-connected, as defined in 38 U.S.C. 101(16).

Small business concern means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding on Government contracts, and qualified as a small business under the criteria in 13 CFR Part 121 and the size standard in paragraph (a) of this provision.

Veteran-owned small business concern means a small business concern--

(1) Not less than 51 percent of which is owned by one or more veterans (as defined at 38 U.S.C. 101(2)) or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more veterans; and

(2) The management and daily business operations of which are controlled by one or more veterans.

Women-owned small business concern means a small business concern --

(1) That is at least 51 percent owned by one or more women or, in the case of any publicly owned business, at least 51 percent of the stock of which is owned by one or more women; and

(2) Whose management and daily business operations are controlled by one or more women.

(d) Notice.

(1) If this solicitation is for supplies and has been set aside, in whole or in part, for small business concerns, then the clause in this solicitation providing notice of the set-aside contains restrictions on the source of the end items to be furnished.

(2) Under 15 U.S.C. 645(d), any person who misrepresents a firm's status as a small, HUBZone small, small disadvantaged, or women-owned small business concern in order to obtain a contract to be awarded under the preference programs established pursuant to section 8(a), 8(d), 9, or 15 of the Small Business Act or any other provision of Federal law that specifically references section 8(d) for a definition of program eligibility, shall--

(i) Be punished by imposition of fine, imprisonment, or both;

- (ii) Be subject to administrative remedies, including suspension and debarment; and
- (iii) Be ineligible for participation in programs conducted under the authority of the Act.

52.222-22 PREVIOUS CONTRACTS AND COMPLIANCE REPORTS (FEB 1999)

The offeror represents that --

- (a) ☐ It has, ☐ has not participated in a previous contract or subcontract subject to the Equal Opportunity clause of this solicitation;
- (b) ☐ It has, ☐ has not, filed all required compliance reports; and
- (c) Representations indicating submission of required compliance reports, signed by proposed subcontractors, will be obtained before subcontract awards.

52.222-25 AFFIRMATIVE ACTION COMPLIANCE (APR 1984)

The offeror represents that

- (a) ☐ it has developed and has on file, ☐ has not developed and does not have on file, at each establishment, affirmative action programs required by the rules and regulations of the Secretary of Labor (41 CFR 60-1 and 60-2), or
- (b) ☐ has not previously had contracts subject to the written affirmative action programs requirement of the rules and regulations of the Secretary of Labor.

52.223-13 CERTIFICATION OF TOXIC CHEMICAL RELEASE REPORTING (JUN 2003)

(a) Submission of this certification is a prerequisite for making or entering into this contract imposed by Executive Order 12969, August 8, 1995.

(b) By signing this offer, the offeror certifies that--

(1) As the owner or operator of facilities that will be used in the performance of this contract that are subject to the filing and reporting requirements described in section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA) (42 U.S.C. 11023) and section 6607 of the Pollution Prevention Act of 1990 (PPA) (42 U.S.C. 13106), the offeror will file and continue to file for such facilities for the life of the contract the Toxic Chemical Release Inventory Form (Form R) as described in sections 313(a) and (g) of EPCRA and section 6607 of PPA; or

(2) None of its owned or operated facilities to be used in the performance of this contract is subject to the Form R filing and reporting requirements because each such facility is exempt for at least one of the following reasons: (Check each block that is applicable.)

☐ (i) The facility does not manufacture, process or otherwise use any toxic chemicals listed under section 313(c) of EPCRA, 42 U.S.C. 11023(c);

[] (ii) The facility does not have 10 or more full-time employees as specified in section 313.(b)(1)(A) of EPCRA 42 U.S.C. 11023(b)(1)(A);

[] (iii) The facility does not meet the reporting thresholds of toxic chemicals established under section 313(f) of EPCRA, 42 U.S.C. 11023(f) (including the alternate thresholds at 40 CFR 372.27, provided an appropriate certification form has been filed with EPA);

[] (iv) The facility does not fall within Standard Industrial Classification Code (SIC) major groups 20 through 39 or their corresponding North American Industry Classification System (NAICS) sectors 31 through 33; or

[] (v) The facility is not located in the United States or its outlying areas.

252.225-7000 BUY AMERICAN ACT--BALANCE OF PAYMENTS PROGRAM CERTIFICATE (APR 2003)

(a) Definitions. Domestic end product, foreign end product, qualifying country, and qualifying country end product have the meanings given in the Buy American Act and Balance of Payments Program clause of this solicitation.

(b) Evaluation. The Government--

(1) Will evaluate offers in accordance with the policies and procedures of Part 225 of the Defense Federal Acquisition Regulation Supplement; and

(2) Will evaluate offers of qualifying country end products without regard to the restrictions of the Buy American Act or the Balance of Payments Program.

(c) Certifications and identification of country of origin.

(1) For all line items subject to the Buy American Act and Balance of Payments Program clause of this solicitation, the offeror certifies that--

(i) Each end product, except those listed in paragraph (c)(2) or (3) of this provision, is a domestic end product; and

(ii) Components of unknown origin are considered to have been mined, produced, or manufactured outside the United States or a qualifying country.

(2) The offeror certifies that the following end products are qualifying country end products:

(Line Item Number Country of Origin)

(Country of Origin)

(3) The following end products are other foreign end products:

(Line Item Number)

(Country of Origin) (If known)

252.225-7003 REPORT OF INTENDED PERFORMANCE OUTSIDE THE UNITED STATES (APR 2003)

(a) The offeror shall submit a Report of Contract Performance Outside the United States, with its offer, if--

(1) The offer exceeds \$10 million in value; and

(2) The offeror is aware that the offeror or a first-tier subcontractor intends to perform any part of the contract outside the United States and Canada that--

(i) Exceeds \$500,000 in value; and

(ii) Could be performed inside the United States or Canada.

(b) Information to be reported includes that for--

(1) Subcontracts;

(2) Purchases; and

(3) Intracompany transfers when transfers originate in a foreign location.

(c) The offeror shall submit the report using--

(1) DD Form 2139, Report of Contract Performance Outside the United States; or

(2) A computer-generated report that contains all information required by DD Form 2139.

(d) The offeror may obtain a copy of DD Form 2139 from the Contracting Officer.

252.247-7022 REPRESENTATION OF EXTENT OF TRANSPORTATION BY SEA (AUG 1992)

(a) The Offeror shall indicate by checking the appropriate blank in paragraph (b) of this provision whether transportation of supplies by sea is anticipated under the resultant contract. The term supplies is defined in the Transportation of Supplies by Sea clause of this solicitation.

(b) Representation. The Offeror represents that it:

____ (1) Does anticipate that supplies will be transported by sea in the performance of any contract or subcontract resulting from this solicitation.

____ (2) Does not anticipate that supplies will be transported by sea in the performance of any contract or subcontract resulting from this solicitation.

(c) Any contract resulting from this solicitation will include the Transportation of Supplies by Sea clause. If the Offeror represents that it will not use ocean transportation, the resulting contract will also include the Defense FAR Supplement clause at 252.247-7024, Notification of Transportation of Supplies by Sea.

SECTION L Instructions, Conditions and Notices to Bidders

CLAUSES INCORPORATED BY REFERENCE:

52.204-6	Data Universal Numbering System (DUNS) Number	JUN 1999
52.215-1	Instructions to Offerors--Competitive Acquisition	MAY 2001

CLAUSES INCORPORATED BY FULL TEXT

52.211-14 NOTICE OF PRIORITY RATING FOR NATIONAL DEFENSE USE (SEP 1990)

Any contract awarded as a result of this solicitation will be _____ DX rated order; X DO rated order certified for national defense use under the Defense Priorities and Allocations System (DPAS) (15 CFR 700), and the Contractor will be required to follow all of the requirements of this regulation. [Contracting Officer check appropriate box.]

52.216-1 TYPE OF CONTRACT (APR 1984)

The Government contemplates award of a **Firm Fixed Price Supply** contract resulting from this solicitation.

52.233-2 SERVICE OF PROTEST (AUG 1996)

(a) Protests, as defined in section 33.101 of the Federal Acquisition Regulation, that are filed directly with an agency, and copies of any protests that are filed with the General Accounting Office (GAO), shall be served on the Contracting Officer (addressed as follows) by obtaining written and dated acknowledgment of receipt from **Ruth D. Adams, Contracting Officer, Code 1142, 101 Strauss Avenue, Indian Head, Md. 20640-5035.**

(b) The copy of any protest shall be received in the office designated above within one day of filing a protest with the GAO.

52.252-1 SOLICITATION PROVISIONS INCORPORATED BY REFERENCE (FEB 1998)

This solicitation incorporates one or more solicitation provisions by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. The offeror is cautioned that the listed provisions may include blocks that must be completed by the offeror and submitted with its quotation or offer. In lieu of submitting the full text of those provisions, the offeror may identify the provision by paragraph identifier and provide the appropriate information with its quotation or offer. Also, the full text of a solicitation provision may be accessed electronically at this/these address(es):

www.arnet.gov

HQ L-2-0005 - NOTIFICATION OF POTENTIAL ORGANIZATIONAL CONFLICT(S) OF INTEREST
(NAVSEA) (JUN 1994)

(a) Offerors are reminded that certain existing contractual arrangements may preclude, restrict or limit participation, in whole or in part, as either a subcontractor or as a prime contractor under this competitive procurement. Of primary concern are those contractual arrangements in which the Offeror provides support to ____, or related laboratories (if applicable), in support of operation of the office or any of its programs. General guidance may be found in FAR 9.505; however, this guidance is not all inclusive. The Offeror's attention is directed to the "Organizational Conflict of Interest" (or similar) requirement which may be contained in current or completed contract(s) which prohibits the prime or subcontractor from providing certain supplies or services to the Government as described above during the period of the current "support" contract(s) or for a period after completion of the "support" contract(s). Notwithstanding the existence or non-existence of an Organizational Conflict of Interest (OCI) clause or similar requirement in current or completed contract(s), the offeror shall comply with FAR 9.5 and identify whether an OCI exists and not rely solely on the presence of an OCI requirement.

(b) If a potential conflict of interest exists at any tier, each potential prime offeror is requested to notify the Contracting Officer within 14 days of the date of this solicitation. The Offeror shall provide: (1) the contract number and name and phone number of the Contracting Officer for the contract which gives rise to a potential organizational conflict of interest; (2) a copy of the requirement; (3) the statement of work (or technical instruction) from the existing contract; (4) a brief description of the type of work to be performed by each subcontractor under the competitive procurement; and (5) any additional information the Contracting Officer should consider in making a determination of whether a conflict of interest exists. The Government may independently verify the information received from the offeror. Notwithstanding the above, the Government reserves the right to determine whether a conflict of interest exists based on any information received from any source.

(c) The Government will notify an offeror of any conflict of interest within 14 days of receipt of all required information. Those offerors deemed to have a conflict of interest may be ineligible for award. Failure to provide the information in a timely manner does not waive the Government's rights to make a conflict of interest determination. The offeror is notified that if it expends time and money on proposal preparation, such expenditure is at its own risk that the Government will not determine that an organizational conflict of interest exists.

(d) Any potential prime contractor which proposes a subcontractor later determined to have a conflict of interest and deemed ineligible to participate in the current competition, may not be granted the opportunity to revise its proposal to remove the ineligible subcontractor. The Government reserves the right to determine which offerors remain in the competitive range through the normal source selection process.

(e) If the offeror determines that a potential organizational conflict of interest does not exist at any tier, the offeror shall include a statement to that effect in its response to this solicitation.

HQ L-2-0010 - SUBSTITUTION OF PREVIOUSLY APPROVED SINGLE PROCESS INITIATIVE
(NAVSEA) (MAY 1998)

Your proposal shall identify where you are substituting your previously approved Single Process Initiative (SPI) processes for specified requirements. In addition, offerors shall provide the information required by DFARS 252.211-7005, paragraph (c).

IHD 195 - PROPOSAL REQUIREMENTS (FEB 2000) (NAVSEA/IHD)

GENERAL INFORMATION: Each offeror must submit an offer/proposal and other written information in strict accordance with these instructions. When evaluating an offeror the Government will consider how well the offeror complied with both the letter and spirit of these instructions. The Government will consider any failure on the part of the offeror to comply with both the letter and the spirit of these instructions to be an indication of the type of conduct it can expect during contract performance. Therefore, the Government encourages offerors to contact the Contracting Officer by telephone, facsimile transmission, e-mail, or mail in order to request an explanation of any aspect of these instructions.

The offeror shall submit the following information:

1. Two (2) copies of the past performance information, Volume I.
3. Two (2) copies of the price proposal with completed solicitation package, Volume II.

Volume I & II shall be provided by closing date of the solicitation to:

Naval Surface Warfare Center
101 Strauss Avenue, Bldg 1558
Attn: Patsy Kragh, Code 1142P
Indian Head MD 20640-5035

OFFERORS SHALL ADDRESS THE FOLLOWING FACTORS: (Listed in order of importance) Information shall be submitted as detailed below.

VOLUME I - PAST PERFORMANCE (Shall contain only Past Performance Information)

Past performance is a measure of the degree to which an offeror, as an organization, has during the past three (3) years: (1) satisfied its customers, and (2) complies with federal, state, and local laws and regulations. The offeror shall provide a list of references using the Past Performance Matrix, (Enclosure 1), who will be able to provide information regarding the offeror's past performance during the past three (3) years regarding: (1) customer satisfaction; (2) timeliness; (3) technical success; (4) program management; (5) and the quality of products.

The offeror will submit the Past Performance Questionnaire to each of the references listed on the Past Performance Matrix, a minimum of three (3) is required. THE OFFEROR SHALL INSTRUCT THE **REFERENCES** TO **COMPLETE** THE PAST PERFORMANCE QUESTIONNAIRE AND **MAIL** THEM DIRECTLY TO:

Naval Surface Warfare Center
101 Strauss Avenue, Bldg 1558
Attn: Patsy Kragh, Code 1142P
Indian Head MD 20640-5035

The offeror's selected references must be listed on the Past Performance Matrix. Failure of the references to submit the Past Performance Questionnaire to the Contract Specialist by MAY 25, 2003 will result in the inability of the Government to rank the offeror's past performance.

NOTE: PAST PERFORMANCE INFORMATION & QUESTIONNAIRE SHEETS ARE ATTACHMENTS TO THE SOLICITATION.

VOLUME II - Price (with completed solicitation package)

Although price is the least important factor, it will not be ignored. The degree of its importance will increase with the degree of equality of the offers in relation to the other factors on which selection is to be made. Price will be evaluated by the Contracts personnel to determine fair and reasonableness through the most appropriate method available.

This folder/binder shall contain (2) complete copies of the solicitation (the RFP) with all Representations/Certifications executed and pricing appropriately noted in Section B or any continuation sheets. Information should be submitted to clearly show the basis for the amount of each cost element and how the amount was developed providing sufficient information for government use in determining the proposed prices fair and reasonable.

SECTION M Evaluation Factors for Award**CLAUSES INCORPORATED BY FULL TEXT****52.217-5 EVALUATION OF OPTIONS (JUL 1990)**

Except when it is determined in accordance with FAR 17.206(b) not to be in the Government's best interests, the Government will evaluate offers for award purposes by adding the total price for all options to the total price for the basic requirement. Evaluation of options will not obligate the Government to exercise the option(s).

HQ M-2-0006 - EVALUATION OF PREVIOUSLY APPROVED SINGLE PROCESS INITIATIVE (NAVSEA) (NOV 1996)

Previously approved Single Process Initiative (SPI) processes will be evaluated under the source selection criteria of the RFP. If the successful offeror has previously approved SPI processes in the proposal, those SPI processes will be incorporated into the contract upon award.

IHD 211 - SECTION M BEST VALUE EVALUATION AND BASIS FOR AWARD (FFP) (MAR 2000) (NAVSEA/IHD)

I. The contract resulting from this solicitation will be awarded to that responsible offeror whose offer, conforming to the solicitation, is determined most advantageous to the Government price and other factors considered. The offeror's proposal shall be in the form prescribed by this solicitation and shall contain a response to each of the areas. Proposals will be evaluated and rated against the factors listed below, in descending order of importance:

Past Performance
Cost/Price

In determining best overall value, the Government will first assess an offeror on the basis of past performance, as past performance becomes more equal, price will become a more significant factor. Then the Government will compare the tradeoffs between the offerors performance and price. The offer who represents the best value will be the offeror who represents the best tradeoff between superior performance and price.

A. PAST PERFORMANCE

1. The Government will evaluate the quality of the offeror's past performance. This evaluation is separate and distinct from the Contracting Officer's responsibility determination. The assessment of the offeror's past performance will be used to evaluate the relative capability of the offeror and their competitors to successfully meet the requirements of the RFP. Past performance of significant and/or critical subcontractors will be considered to the extent warranted by the subcontractor's involvement in the proposed effort.

2. The Government will evaluate the quality of the offeror's past performance. This may include any aspect of past performance that is related to this contract. A record of poor past performance may be considered an indication that the offeror may be lacking in areas such as reliability, quality and customer satisfaction. However, a record of average or exceptional past performance will not result in favorable assessment of an otherwise technically deficient technical proposal. In evaluating an offeror's past performance, the Government will consider information contained in the offeror's past performance references, information obtained from other sources, including past and present customers, subcontractors and any others who may have useful information, and other past performance data available to the Government. Offerors with no past performance history will receive a neutral rating.

- a. The subfactors listed below (which are equal in importance) will be used to evaluate past performance:
 - i. **Product Quality.** The offeror's demonstrated ability to conform to contract specification requirements.
 - ii. **Reliability.** The offeror's demonstrated ability to conform to contract requirements.
 - iii. **Timeliness.** The offeror's demonstrated ability to meet contract schedules and delivery dates.
 - iv. **Customer Satisfaction.** The offeror's demonstrated commitment to maintaining an acceptable level of performance and customer satisfaction.
 - v. **Subcontracting Plans.** The offeror's ability to meet or exceed its subcontracting plans.
3. Contracting Officers will use the following adjectival definitions as guidelines in evaluating past performance:
 - a. **Neutral:** Offeror does not have any past performance information available for evaluation. Offeror does not receive merit or demerit for this evaluation factor.
 - b. **Exceptional:** Deliveries are on time and meet contract requirements. Product exceeded contract specifications. Waiver requests, if any, are very infrequent. When a problem does arise, the offeror reacts in a prompt, efficient and effective manner to resolve the problem and minimize any delay.
 - c. **Average:** Most deliveries are on time and meet contract requirements. The offeror may have submitted a few waiver requests, however, delivery, supply and quality problems have been resolved promptly.
 - d. **Poor:** Many deliveries have been late and/or have not met contract requirements. Numerous waivers have been requested. The Government and the offeror have expended a significant amount of time, effort and money in resolving problems surrounding supply, delivery and quality of product and service. Failure to perform consistently with contract requirements has resulted in termination and failure to provide customer service.
4. Offerors lacking relevant past performance history will receive a neutral rating for past performance. The offeror must provide the information requested above for past performance evaluation or affirmatively state that it possesses no relevant directly related or similar past performance. An offer that fails to provide the past performance information or to assert that the company has no relevant directly related or similar past performance may be considered ineligible for award.

B. COST/PRICE

1. Although price is not the most important evaluation factor, it will not be ignored. The degree of its importance will increase with the degree of equality of the proposals in relation to the other factors on which selection is to be based.

II. The Government may award a contract on the basis of initial offers received, without discussions. Therefore, each initial offer should contain the offeror's best terms from a cost/price, technical and past performance standpoint. However, if considered necessary by the contracting officer, discussions will be conducted only with those offerors determined to have a reasonable chance for award.

Factor 1 - Past Performance

Factor 2 - Price

The offeror's submission in response to this solicitation will be evaluated. Each factor shall be evaluated based on the merits of the information contained in the offerors' submission. A sample evaluation is provided below:

Offeror	Past Performance Rating	Price
A	Good	\$320,000
B	Excellent	\$322,000
C	Poor	\$302,000
D	Neutral	\$330,000

Once this information is tabulated, offerors will be compared making value and price tradeoffs and award will be made to the offeror that represents the Best Value to the Government. If the offeror with an acceptable sample has the highest past performance rating and also represents the lowest price then that offeror is clearly the Best Value. If an offeror with an acceptable sample has the highest past performance rating and has a higher price, then a determination must be made whether the difference in past performance value is worth the higher price. In the example the Government may award to Offeror A, Offeror B (if it could be determined whether the difference in greater value is worth the difference in price when compared to Offeror A). Offeror C would not be considered for award due to a POOR past performance rating. Offeror E would not be considered because he has the highest cost and neutral past performance.

**PAST PERFORMANCE QUESTIONNAIRE COVER SHEET
FOR SOLICITATION NUMBER N00174-03-R-0046**

Name of offeror questionnaire is being completed for:

Name of company completing questionnaire:

Name of the person and title completing questionnaire:

Length of time your firm has been involved with the offeror:

Type of work performed by referenced offer:

SUBMIT PAST PERFORMANCE QUESTIONNAIRE TO:

NAVSEA INDIAN HEAD, SURFACE
WARFARE CENTER DIVISION
101 Strauss Avenue, Bldg 1558
Indian Head MD 20640-5035
Patsy Kragh, Contract Specialist,
Code 1142P
BY: **CLOSING DATE OF SOLICITATION**

FACTOR 4
PAST PERFORMANCE QUESTIONNAIRE INTERVIEW SHEET
SOLICITATION NUMBER: N00174-03-R-0046

RATING SCALE

Please use the following ratings to answer the questions. If you are unable to rate an item because it was not a requirement, never an issue, or you have no knowledge of the item in question then you should mark "N/A".

EVALUATION CRITERIA

- | | |
|--------------------|--|
| Excellent - | The offerors performance was consistently superior. The contractual performance was accomplished with minor problems for which corrective action taken by the contractor was highly effective. |
| Good - | The offeror's performance was better than average. The contractual performance was accomplished with some minor problems, to which corrective actions taken by the contractor were effective. They would be willing to do business with the offeror again. |
| Average - | The offeror's performance was adequate. The contractual performance reflects a problem, to which the contractor has not yet identified corrective actions. Consideration would take part in awarding a contract to the offeror again.. |
| Neutral - | No record exists. |
| Poor - | The offeror's performance was entirely inadequate. The contractual performance of the element being assessed contains problems, to which the contractors corrective actions appear to be or were ineffective. They would not do business with the offeror again under any circumstances. |

CUSTOMER SATISFACTION

1. The referenced contractor was responsive to the Customers needs. E G A N P N/A
2. The contractors personnel were qualified To meet the requirements. E G A N P N/A
3. The contractors ability to accurately estimate Costs. E G A N P N/A

TIMELINESS

4. The contractors ability to ensure, to the extent of Its responsibility, that all tasks were completed within The requested time frame. E G A N P N/A

RELIABILITY

5. The contractor had a clear understanding of the work Detailed in the SOW. E G A N P N/A
6. The contractors ability to complete tasks correctly the first time. E G A N P N/A
7. The contractors ability to resolve problems. E G A N P N/A

PRODUCT QUALITY

8. The contractors quality and reliability of services delivered. E G A N P N/A
9. Quality, reliability, and maintainability of hardware delivered. E G A N P N/A

PROGRAM MANAGEMENT

10. The offeror's ability to meet or exceed its subcontracting plans. E G A N P N/A

PLEASE PROVIDE SUBJECTIVE REPONSES FOR THE FOLLOWING:

10. Would you recommend this contractor for similar government contracts? Please explain:

11. Have you experienced special or unique problems with the referenced contractor that we should be aware of in making our decision?

12. In summary, which of the following would you choose to describe the quality of the referenced contractors service:

Significantly better than acceptable

Slightly better than acceptable

Acceptable

Slightly less than acceptable

Entirely unacceptable

13. In summary, which of the following would you choose to describe reference contractors willingness to cooperate to resolve performance disagreements:

Highly cooperative

Cooperative

Somewhat uncooperative

Highly uncooperative

Thank you for taking the time to complete the above information.

Interviewers Name: _____, Date _____.

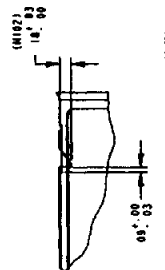
PAST PERFORMANCE MATRIX

References	\$ Value of Contract	Work Description	Contract Completed on Time YES / NO	Contract Completed at Cost YES / NO (if no % of overrun)	Provide Explanation for NO answers

REFERENCES COLUMN SHOULD INCLUDE GOVERNMENT ACTIVITY/ COMPANY NAME, ADDRESS, POC AND TELEPHONE NUMBER.

SOURCE SELECTION INFORMATION
SEE FAR 3.104

Attachment (2)



CURRENT DESIGN ACTIVITY CAGE CODE 14083
DEPARTMENT OF THE NAVY
NAVAL SURFACE WARFARE CENTER
INDIAN HEAD DIVISION
INDIAN HEAD, MARYLAND 20640-5835

NO	HELP	CODE	IDENTIFYING NO	PARTS LIST	DEPARTMENT OF THE NAVY NAVAL MISSILE CENTER POINT MUGO, CALIF. 93041	WASHINGTON, D.C. 20351
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES GENERAL TOLERANCES						
XX DECIMALS ±						
XXX DECIMALS ±						
ANGLES ±						
MATERIAL:						
316SS-700	01-1103-280					
316SS-700	01-21-545-190					
402D-184	01-4927-188					
NEXT ASST	USED ON					
APPROVED FOR WORK				DATE	SIZE CASE CODE	DRAWING NUMBER
					D 30003	4902 192
					SCALE 1/16" = 1"	INFO GR11 ...
						SHEET 1 OF 1

DISTRIBUTION STATEMENT C:
DISTRIBUTION AUTHORIZED TO U.S. GOVERNMENT AGENCIES AND THEIR
CONTRACTORS; ADMINISTRATIVE OR OPERATIONAL USE. 3-09-12 OTHER
REQUESTS FOR THIS DOCUMENT SHALL BE REFERRED TO COMMANDER, INDIAN
HEAD DIVISION, NAVAL SURFACE WARFARE CENTER, 181 STRAUSS AVENUE
INDIAN HEAD, MD. 20640-5635

NOTES:

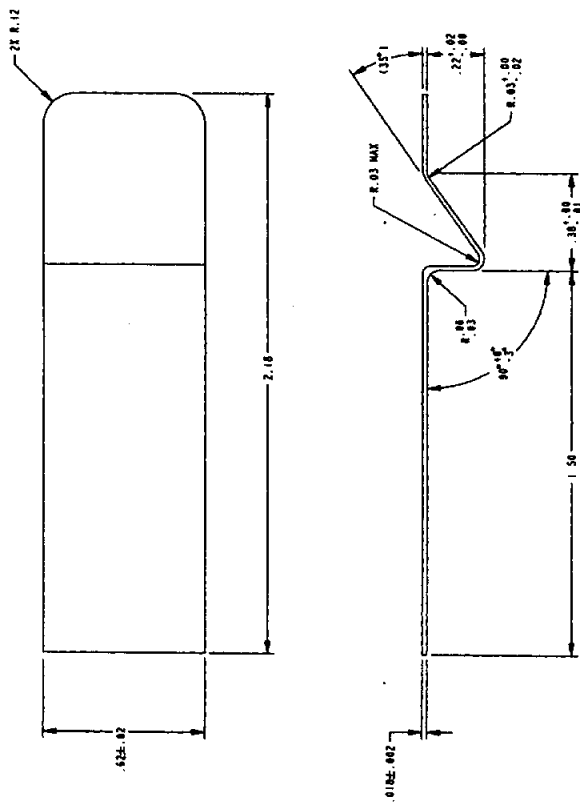
1. MATERIAL: STEEL, CORROSION-RESISTANT CONFORMING TO SPEC 5865.
2. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100-2000, APPENDIX B, AND ASME Y14.100-1994.
3. REMOVE BURRS AND BREAK SHARP EDGES .010 MAX.

CLASSIFICATION OF CHARACTERISTICS (DDP-STD-200)

CRITICAL - CR	ALL OTHER CHARACTERISTICS
MINOR - MR	

REV	DESCRIPTION	DATE	APPROVAL
1	REV A TO REV B	9/11/70	LBF
2	REV B TO REV C	9/20/71	
3	REV C TO REV D	10/27/71	
4	REV D TO REV E	10/27/71	
5	REV E TO REV F	10/27/71	
6	REV F TO REV G	10/27/71	
7	REV G TO REV H	10/27/71	
8	REV H TO REV I	10/27/71	
9	REV I TO REV J	10/27/71	
10	REV J TO REV K	10/27/71	
11	REV K TO REV L	10/27/71	
12	REV L TO REV M	10/27/71	
13	REV M TO REV N	10/27/71	
14	REV N TO REV O	10/27/71	
15	REV O TO REV P	10/27/71	
16	REV P TO REV Q	10/27/71	
17	REV Q TO REV R	10/27/71	
18	REV R TO REV S	10/27/71	
19	REV S TO REV T	10/27/71	
20	REV T TO REV U	10/27/71	
21	REV U TO REV V	10/27/71	
22	REV V TO REV W	10/27/71	
23	REV W TO REV X	10/27/71	
24	REV X TO REV Y	10/27/71	
25	REV Y TO REV Z	10/27/71	

ALL DIMENSIONS SHOWN
SHALL BE INCORPORATED BY
THE DESIGN ACTIVITY.



CURRENT DESIGN ACTIVITY CASE CODE 14003
DEPARTMENT OF THE NAVY
NAVAL SURFACE WARFARE CENTER
INDIAN HEAD DIVISION
1800 AR ROAD, WASHINGTON 20340-5035

NAVAL MISSILE CENTER
POINT MUGU, CALIF 93041

GENERAL TOLERANCES
XX DECIMALS ± .03
ANGLES ± .5°

INITIALS
DESIGNED BY: [Signature]
CHECKED BY: [Signature]
DRAWN BY: [Signature]
DATE: [Date]

DO NOT SCALE DRAWING

APPLICATION

REVISIONS

REVISIONS

REVISIONS

REVISIONS

NOTES.

1 MATERIAL, PIGMENTED TYPE ELASTOMERIC SHEETING MATERIAL WITH HEAT SENSITIVE ADHESIVE APPLIED TO ONE SIDE, WHICH SHALL BE REPRODUCIBLE IN APPEARANCE UNDER STANDARD CONDITIONS AND SHALL BE ACTIVATED BY APPLYING HEAT IN EXCESS OF 115°F (79°C) TO THE MATERIAL. AT ROOM TEMPERATURE, MATERIAL SHALL NOT SHOW A BREAK, CRACK, OR DELAMINATION AFTER 20 FOLDS. MATERIAL SHALL BE WITHSTAND WITHOUT EXHIBITING ANY DEGRADATION, SUCH AS PEELING, FADING, CRACKING, BLISTERING, DIFFUSION OR BLEEDING OF COLOR, AFTER 12 MONTHS OF OUTDOOR EXPOSURE. MATERIAL SHALL BE WATER RESISTANT AND CORROSION RESISTANT TO THE MATERIAL SHALL HAVE THE PHYSICAL PROPERTIES LISTED IN TABLE 11. COLOR SHALL BE ORANGE YELLOW. COLOR NO. 13538 PER FED-STD-595.

2 LETTERING SHALL BE METS GOTHIC, HORIZONTAL SPACING SHALL BE SYMMETRICAL ABOUT THE CENTER.

3 MARK AS INDICATED IN ACCORDANCE WITH MIL-STD-130. LETTERS SHALL BE 1/8" HIGH. COLOR NO. 13538. ARROWS AND THE WORD "WARNING" (3 PLACES) SHALL BE RED. COLOR NO. 11105. INTERPRET COLOR NUMBERS IN ACCORDANCE WITH FED-STD-595.

4 MATERIAL, PIGMENTED TYPE ELASTOMERIC SHEETING MATERIAL WITH HEAT SENSITIVE ADHESIVE APPLIED TO ONE SIDE, WHICH SHALL BE REPRODUCIBLE IN APPEARANCE UNDER STANDARD CONDITIONS AND SHALL BE ACTIVATED BY APPLYING HEAT IN EXCESS OF 115°F (79°C) TO THE MATERIAL. AT ROOM TEMPERATURE, MATERIAL SHALL NOT SHOW A BREAK, CRACK, OR DELAMINATION AFTER 20 FOLDS. MATERIAL SHALL BE WITHSTAND WITHOUT EXHIBITING ANY DEGRADATION, SUCH AS PEELING, FADING, CRACKING, BLISTERING, DIFFUSION OR BLEEDING OF COLOR, AFTER 12 MONTHS OF OUTDOOR EXPOSURE. MATERIAL SHALL BE WATER RESISTANT AND CORROSION RESISTANT TO THE MATERIAL SHALL HAVE THE PHYSICAL PROPERTIES LISTED IN TABLE 11. COLOR SHALL BE RED. COLOR NO. 11105 PER FED-STD-595.

5 INDICATED DIMENSIONS APPLY TO BOTH THE -1 AND -2 MARKER. ALL OTHER DIMENSIONS APPLY TO THE -1 MARKER ONLY.

6 THE -2 MARKER SHALL BE BLANK WITH NONE OF THE INDICATED ARROWS AND CHARACTERS.

7 INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100-2000, APPENDIX D-E, AND ASME Y14.5M-1994.

TABLE 1. TABULATION BLOCK	
DASH NO.	APPLICABLE NOTES
-1	1, 2, 3, 4, 5
-2	4, 5, 6

CLASSIFICATION OF CHARACTERISTICS (DOD-STD-200)	
CRITICAL	MAJOR
MINOR	ALL CHARACTERISTICS

TABLE 11. MATERIAL PROPERTIES

LABEL THICKNESS	.0055 MAX
TENSILE STRENGTH	5.0 PSI
ELONGATION	25% MIN
AT 1 YEAR	15% MIN
AT 5 PSI (EITHER CASE)	15% MAX
SHRINKAGE (IN LENGTH OR WIDTH)	.0025 (2MM) MAX
CONTRAST RATIO	.90 MIN
COLOR NO. 13538	.95 MIN
COLOR NO. 11105	

CAD MAINTAINED. CHANGES SHALL BE MAINTAINED BY THE DESIGN ACTIVITY.

REV	DESCRIPTION	DATE	APPROVAL
1	SEE NO. 4902191-C	9/7/70	LWF
2	REPLACES REV. A WITH CHANGE	10/17/71	ND
3	SEE NO. 4902191-C	1/31/72	ND
4	SEE NO. 4902191-C	3/2/72	ND
5	SEE NO. 4902191-C	3/2/72	ND
6	SEE NO. 4902191-C	3/2/72	ND
7	SEE NO. 4902191-C	3/2/72	ND
8	SEE NO. 4902191-C	3/2/72	ND
9	SEE NO. 4902191-C	3/2/72	ND
10	SEE NO. 4902191-C	3/2/72	ND
11	SEE NO. 4902191-C	3/2/72	ND
12	SEE NO. 4902191-C	3/2/72	ND
13	SEE NO. 4902191-C	3/2/72	ND
14	SEE NO. 4902191-C	3/2/72	ND
15	SEE NO. 4902191-C	3/2/72	ND
16	SEE NO. 4902191-C	3/2/72	ND
17	SEE NO. 4902191-C	3/2/72	ND
18	SEE NO. 4902191-C	3/2/72	ND
19	SEE NO. 4902191-C	3/2/72	ND
20	SEE NO. 4902191-C	3/2/72	ND
21	SEE NO. 4902191-C	3/2/72	ND
22	SEE NO. 4902191-C	3/2/72	ND
23	SEE NO. 4902191-C	3/2/72	ND
24	SEE NO. 4902191-C	3/2/72	ND
25	SEE NO. 4902191-C	3/2/72	ND
26	SEE NO. 4902191-C	3/2/72	ND
27	SEE NO. 4902191-C	3/2/72	ND
28	SEE NO. 4902191-C	3/2/72	ND
29	SEE NO. 4902191-C	3/2/72	ND
30	SEE NO. 4902191-C	3/2/72	ND
31	SEE NO. 4902191-C	3/2/72	ND
32	SEE NO. 4902191-C	3/2/72	ND
33	SEE NO. 4902191-C	3/2/72	ND
34	SEE NO. 4902191-C	3/2/72	ND
35	SEE NO. 4902191-C	3/2/72	ND
36	SEE NO. 4902191-C	3/2/72	ND
37	SEE NO. 4902191-C	3/2/72	ND
38	SEE NO. 4902191-C	3/2/72	ND
39	SEE NO. 4902191-C	3/2/72	ND
40	SEE NO. 4902191-C	3/2/72	ND
41	SEE NO. 4902191-C	3/2/72	ND
42	SEE NO. 4902191-C	3/2/72	ND
43	SEE NO. 4902191-C	3/2/72	ND
44	SEE NO. 4902191-C	3/2/72	ND
45	SEE NO. 4902191-C	3/2/72	ND
46	SEE NO. 4902191-C	3/2/72	ND
47	SEE NO. 4902191-C	3/2/72	ND
48	SEE NO. 4902191-C	3/2/72	ND
49	SEE NO. 4902191-C	3/2/72	ND
50	SEE NO. 4902191-C	3/2/72	ND
51	SEE NO. 4902191-C	3/2/72	ND
52	SEE NO. 4902191-C	3/2/72	ND
53	SEE NO. 4902191-C	3/2/72	ND
54	SEE NO. 4902191-C	3/2/72	ND
55	SEE NO. 4902191-C	3/2/72	ND
56	SEE NO. 4902191-C	3/2/72	ND
57	SEE NO. 4902191-C	3/2/72	ND
58	SEE NO. 4902191-C	3/2/72	ND
59	SEE NO. 4902191-C	3/2/72	ND
60	SEE NO. 4902191-C	3/2/72	ND
61	SEE NO. 4902191-C	3/2/72	ND
62	SEE NO. 4902191-C	3/2/72	ND
63	SEE NO. 4902191-C	3/2/72	ND
64	SEE NO. 4902191-C	3/2/72	ND
65	SEE NO. 4902191-C	3/2/72	ND
66	SEE NO. 4902191-C	3/2/72	ND
67	SEE NO. 4902191-C	3/2/72	ND
68	SEE NO. 4902191-C	3/2/72	ND
69	SEE NO. 4902191-C	3/2/72	ND
70	SEE NO. 4902191-C	3/2/72	ND
71	SEE NO. 4902191-C	3/2/72	ND
72	SEE NO. 4902191-C	3/2/72	ND
73	SEE NO. 4902191-C	3/2/72	ND
74	SEE NO. 4902191-C	3/2/72	ND
75	SEE NO. 4902191-C	3/2/72	ND
76	SEE NO. 4902191-C	3/2/72	ND
77	SEE NO. 4902191-C	3/2/72	ND
78	SEE NO. 4902191-C	3/2/72	ND
79	SEE NO. 4902191-C	3/2/72	ND
80	SEE NO. 4902191-C	3/2/72	ND
81	SEE NO. 4902191-C	3/2/72	ND
82	SEE NO. 4902191-C	3/2/72	ND
83	SEE NO. 4902191-C	3/2/72	ND
84	SEE NO. 4902191-C	3/2/72	ND
85	SEE NO. 4902191-C	3/2/72	ND
86	SEE NO. 4902191-C	3/2/72	ND
87	SEE NO. 4902191-C	3/2/72	ND
88	SEE NO. 4902191-C	3/2/72	ND
89	SEE NO. 4902191-C	3/2/72	ND
90	SEE NO. 4902191-C	3/2/72	ND
91	SEE NO. 4902191-C	3/2/72	ND
92	SEE NO. 4902191-C	3/2/72	ND
93	SEE NO. 4902191-C	3/2/72	ND
94	SEE NO. 4902191-C	3/2/72	ND
95	SEE NO. 4902191-C	3/2/72	ND
96	SEE NO. 4902191-C	3/2/72	ND
97	SEE NO. 4902191-C	3/2/72	ND
98	SEE NO. 4902191-C	3/2/72	ND
99	SEE NO. 4902191-C	3/2/72	ND
100	SEE NO. 4902191-C	3/2/72	ND

CURRENT DESIGN ACTIVITY CAGE CODE 14083
DEPARTMENT OF THE NAVY
NAVAL MISSILE CENTER
INDIAN HEAD, MARYLAND 20640-5035

NAVAL MISSILE CENTER
POINT MUGU, CALIF 93041

UNLESS OTHERWISE SPECIFIED
GENERAL TOLERANCES
XX DECIMALS ± .01
XX DECIMALS ± .005
ANGLES ± .1°

4902192 0.1353820
4902192 0.1353820
4902192 0.1353820
NEXT ASST USED ON 4902192

DISTRIBUTION STATEMENT C.
THIS DOCUMENT IS UNCLASSIFIED
EXCEPT WHERE SHOWN OTHERWISE
REQUESTS FOR THIS DOCUMENT SHALL BE REFERRED TO COMMANDER, INDIAN HEAD DIVISION, NAVAL SURFACE WARFARE CENTER, 181 STRAUSS AVENUE
INDIAN HEAD, MD. 20640-5035.

DEPARTMENT OF THE NAVY
NAVAL AIR SYSTEMS COMMAND
WASHINGTON, D.C. 20361

MARKER, WARNING

SIZE CAGE CODE DRAWING NUMBER
D 30003 4902191

SCALE: 7/1 WEIGHT: 1/2 SHEET 1 OF 2

DO NOT SCALE DRAWING

APPLICATION

DATE

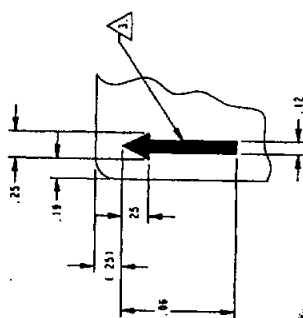
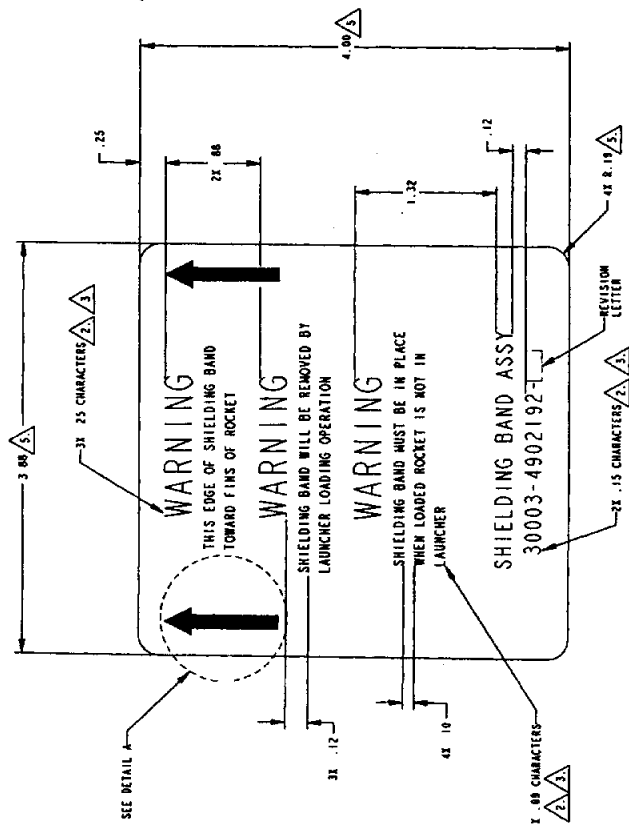
APPROVED FOR

ENGINEER

REV	DESCRIPTION	DATE	APPROVAL
1	THIS SHEET ADDED SEE ECP 1102191	11/19/91	182

CAD MAINTAINED CHANGES
SHALL BE INCORPORATED BY
THE DESIGN ACTIVITY

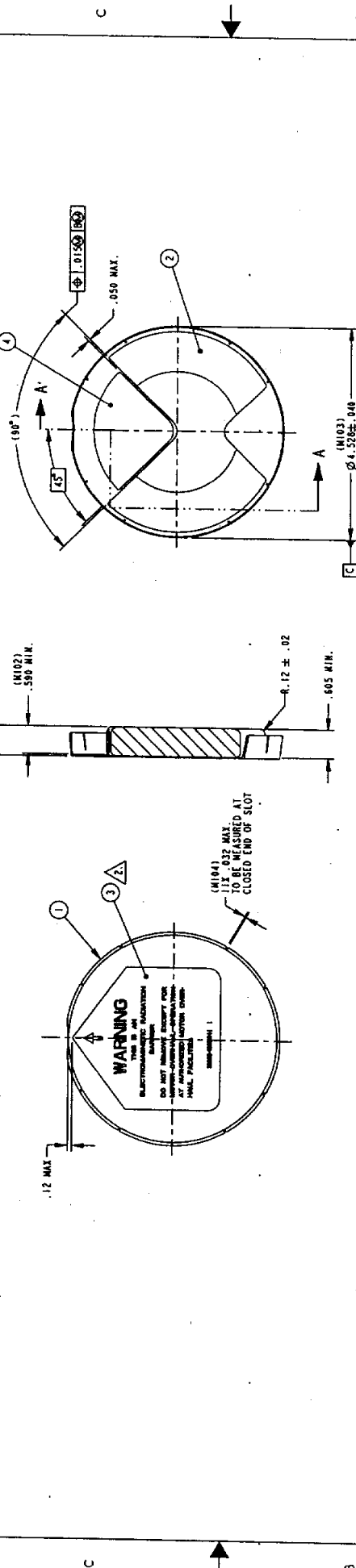
SIZE	CAGE CODE	DRAWING NUMBER
D	30003	4902191
SCALE: 2/1	WEIGHT: ...	SHEET 3 OF 3



CLASSIFICATION OF CHARACTERISTICS (DOD-STD-200)		REVISIONS	
CRITICAL - NONE	MAJOR - 3	REV	DESCRIPTION
MINOR - ALL OTHER CHARACTERISTICS		1	SEE RD 4902194-D
		2	D REPLACES REV B WITH CHANGE
		3	F REV E AND F INC. SEE NORS NMC.
		4	G SEE NORS 2384
		5	H SEE NORS 4902194-6
		6	I REDRAWN WITH FORM CHANGES
		7	J SEE ECP 1H02056
		8	K SEE ECP 1H02197
		9	L SEE ECP 1H03036

DATE 9/2/70 LWF
 DATE 9/17/71 RD
 DATE 7/29/02 C.P.
 DATE 6/2/03
 DATE 6/2/03

CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.



SECTION A-A

CURRENT DESIGN ACTIVITY CAGE CODE 14083
 DEPARTMENT OF THE NAVY
 NAVAL SURFACE WARFARE CENTER
 INDIAN HEAD DIVISION
 INDIAN HEAD, MARYLAND 20640-5035

5	AR	4902203	ADHESIVE
4	1	4902202	INSERT
3	1	4902195	MARKER, ELECTROMAGNETIC RADIATION BARRIER
2	1	318AS290	SUPPORT
1	1	4902196	BARRIER, ELECTROMAGNETIC RADIATION
FIND QTY	CAGE	PART OR	SPECIFICATION
NO	REQ	IDENTIFYING NO	OR DESCRIPTION
CODE			

PARTS LIST		UNLESS OTHERWISE SPECIFIED	
GENERAL TOLERANCES		DIMENSIONS ARE IN INCHES	
XXX DECIMALS ±		ANGLES ±	
MATERIAL		APPROVED FOR	
318AS290 01118AS290		ENGINEER	
318AS100 01118AS100		ENGINEER	
4902196 01118AS100		CHECKED	
4902195 01118AS100		DRAWN	
NEXT ASSY USED ON		DATE	
APPLICATION		DO NOT SCALE DRAWING	
SCALE: 1/1		WEIGHTS	
SHEET 1 OF 1		SHEET 1 OF 1	

DISTRIBUTION STATEMENT C:
 DISTRIBUTION AUTHORIZED TO U.S. GOVERNMENT AGENCIES AND THEIR
 EMPLOYEES. DISTRIBUTION OF THIS DOCUMENT IS RESTRICTED TO
 PERSONNEL OF THE U.S. GOVERNMENT AND TO PERSONNEL OF
 FOREIGN GOVERNMENTS WHOSE DISSEMINATION IS AUTHORIZED BY
 THE U.S. GOVERNMENT. IT IS TO BE CONTAINED IN THE
 HEAD DIVISION, NAVAL SURFACE WARFARE CENTER, 101 STRAUSS AVENUE,
 INDIAN HEAD, MD 20640-5035.

↑ MATERIAL:

1 MATERIAL: TYPED TYPE ELASTOMERIC SHEETING MATERIAL WITH HEAT SENSITIVE ADHESIVE APPLIED TO ONE SIDE, WHICH SHALL BE PROTECTED BY A REMOVABLE LINER. THE ADHESIVE BACKING SHALL BE TACK-FREE AT STANDARD CONDITIONS AND SHALL BE ACTIVATED BY APPLYING HEAT IN EXCESS OF 175°F. THE MATERIAL SHALL BE ACTIVATED TO A POINT WHERE THE MATERIAL WILL NOT STICK TO ITSELF, BUT WILL CRACK OR DELAMINATE AFTER REMOVAL FROM THE SHEET. THE MATERIAL SHALL BE WITHOUT CRACKING, MATERIAL SHALL BE ABLE TO WITHSTAND MINUS 20° F. WITHOUT CRACKING. MATERIAL SHALL BE ABLE TO WITHSTAND OUTDOOR EXPOSURE FOR A PERIOD OF 12 MONTHS WITHOUT EXHIBITING ANY DETEIORATION, SUCH AS PEELING, FADING, CRACKING, BLISTERING, DIFFUSION OR BLEEDING. COLOR OF ADHESION, OR CHECKING, MATERIAL SHALL BE UNIFORM. THE PHYSICAL PROPERTIES LISTED IN THE TABLE BELOW, COLOR SHALL BE ORANGE YELLOW, COLOR NO. 13338 PER FED-510-595.

2. MARK AS INDICATED IN ACCORDANCE WITH MIL-STD-130. THE WORD "WARNING" AND BORDER SHALL BE RED, COLOR NO. 11105. THE ARROW AND REMAINING CHARACTERS SHALL BE JET BLACK, COLOR NO. 17038. INTERPRET COLOR NUMBERS IN ACCORDANCE WITH FED-STD-595.

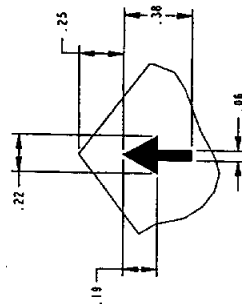
3. "WARNING" SHALL BE IN .25 GOTHIC STYLE LETTERS REMAINING

4. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100-2000, APPENDIX B-B AND ASME Y14.5M-1994.

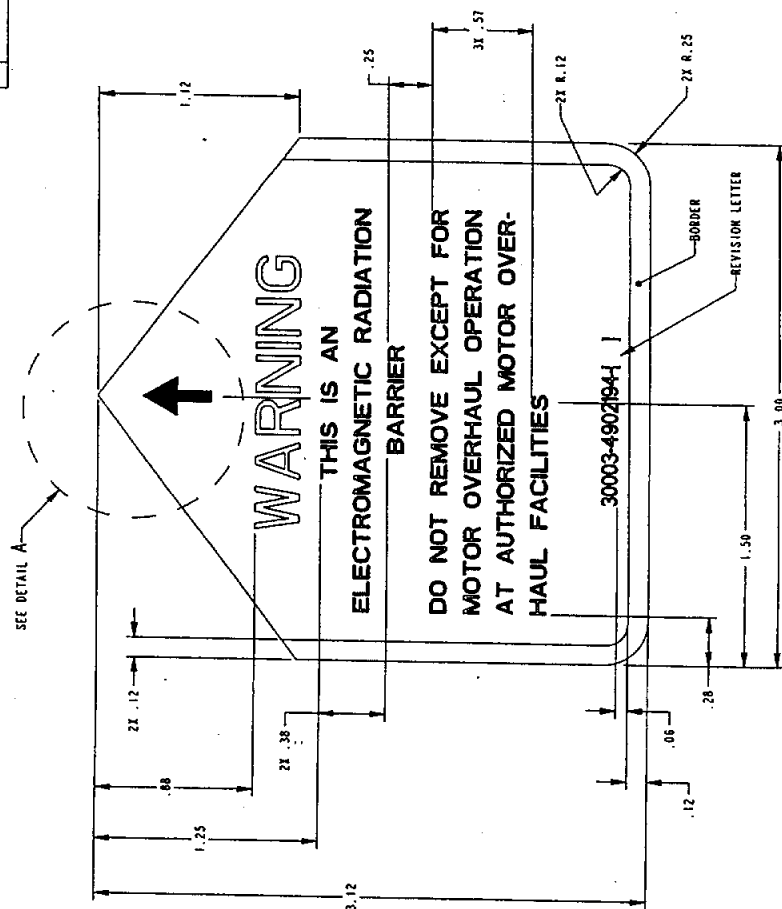
4. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100-2000, APPENDIX B-E AND ASME Y14.5M-1994.

4. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100-2000, APPENDIX B-E AND ASME Y14.5M-1994.

MATERIAL PROPERTIES OF MARKING MATERIAL	
LABEL THICKNESS	.0055 MAX
TENSILE STRENGTH	5.0 PSI
ELONGATION INITIALLY AFTER STORAGE, 1 YEAR AFTER 5 PSI (EITHER CASE)	25% MIN 15% MIN 15% MAX
SURFACE IMAGE (1 IN LENGTH OR WIDTH)	.0625 (1200) MAX
CONTRAST RATIO FOR COUN NO. 13358	.96 MIN



DETAIL A
SCALE 3/1



CLASSIFICATION OF CHARACTERISTICS (DOD-STD-2101)
CRITICAL- NONE
MAJOR- NONE
MINOR- ALL CHARACTERISTICS

REV	DESCRIPTION	DATE	APPROVAL
B	REFS RD 4902195-B REPLACES REV. A WITH CHANGE	9/11/70	LWF
D	REV C AND D INC. SEE WORKS D HMC-2081 AND 2385	9/11/71	RD
F	SEE WORK 4902195-E F SEE WORK 4902195-F	9/15/72	HEV
G	REWORK WITH FORMAT CHANGES G SEE ECP 1402056	9/6/74	C.P.
H	SEE ECP 1402198	1/26/75	930

HEAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.

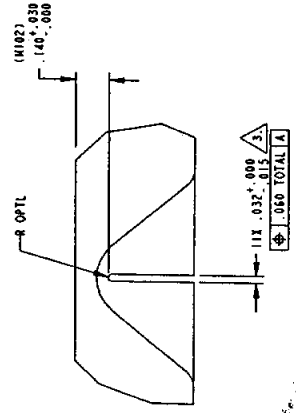
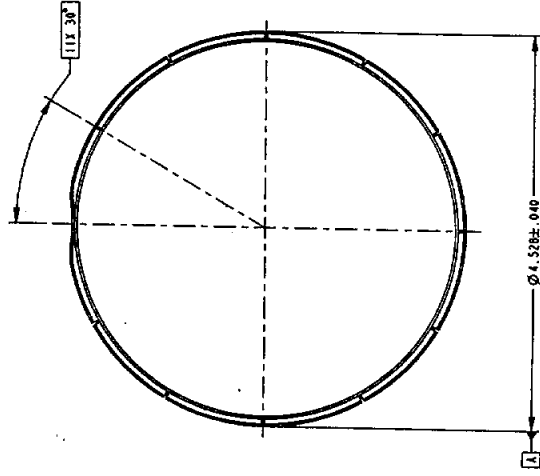
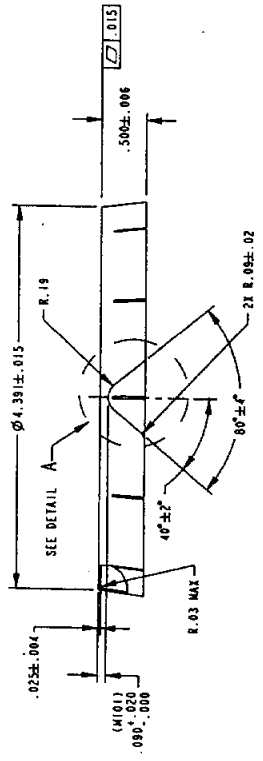
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		NAVAL MISSILE CENTER POINT MUGU, CALIF 93041		CURRENT DESIGN ACTIVITY CASE CODE 14083	
GENERAL TOLERANCES		ENGINEER		DEPARTMENT OF THE NAVY	
XX DECIMALS ± .03		ENGINEER		NAVAL SURFACE WARFARE CENTER	
XXX DECIMALS ± .001		CHECKED		INDIAN HEAD DIVISION	
ANGLES ± ' "		DATE		INDIAN HEAD, MARYLAND 20640-5035	
MATERIAL:		APPROVED FOR MANUFACTURE		DEPARTMENT OF THE NAVY	
4902194	DL318A5700	6/16/60		NAVAL AIR SYSTEMS COMMAND	
4902194	DL318A5100	NATHEMICAL		WASHINGTON, D. C. 20361	
4902194	DL14902194	NATHEMICAL		MARKER, ELECTROMAGNETIC RADIATION BARRIER	
NEXT ASSY USED ON APPLICATION		DRAWN		SIZE CASE CODE DRAWING NUMBER	
		CHECKED		D 30003 4902195	
		DATE		SCALE: 1/16" = 1"	
		APPROVED FOR MANUFACTURE		SHEET 1 OF 1	

DISTRIBUTION STATEMENT C:
DISTRIBUTION AUTHORIZED TO U.S. GOVERNMENT AGENCIES AND THEIR
CONTRACTORS, ADMINISTRATIVE OR OPERATIONAL USE, 3-909-92. OTHER
REQUESTS FOR THIS DOCUMENT SHALL BE REFERRED TO COMMANDER, INDIAN
HEAD DIVISION, NAVAL SURFACE WARFARE CENTER, 101 STRAUSS AVENUE
INDIAN HEAD, MD. 20640-5035.

CLASSIFICATION OF CHARACTERISTICS (DOD-STD-210)	
CRITICAL- NONE	
MAJOR- 2	
MINOR- ALL OTHER CHARACTERISTICS	

REV	DESCRIPTION	DATE	APPROVAL
1	SEE RD 1402186-C	9/7/70	LWF
2	REPLACES REV C WITH CHANGE	10/1/71	NO
3	REV D INC SEE NOR 4302196-F	9/15/82	MEY
4	REV E INC SEE NOR 4302196-F	8/15/90	MEY
5	REV F INC SEE NOR 4302196-F	7/29/02	C.P.
6	REV G INC SEE NOR 4302196-F	7/29/02	C.P.
7	REV H INC SEE NOR 4302196-F	7/29/02	C.P.
8	REV I INC SEE NOR 4302196-F	7/29/02	C.P.
9	REV J INC SEE NOR 4302196-F	7/29/02	C.P.

CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.



DETAIL A
SCALE 4/1

- NOTES:
1. MATERIAL: ALUMINUM ALLOY 6061 CONFORMING TO SAE AMS-00-250/11, TEMP 16, TYPE OPTIONAL.
 2. CHEMICAL CONVERSION COAT IN ACCORDANCE WITH MIL-C-5541.
 3. THE 0.032 PLUS 0.000 MINUS 0.015 DIM APPLIES ONLY AT THE CLOSED END OF SLOT.
 4. ALL DIMENSIONAL LIMITS AND SURFACE ROUGHNESS DESIGNATIONS APPLY BEFORE COATING.
 5. 0.015 FLATNESS IS TO BE VALIDATED USING ASME T14.5M-1994 PARAGRAPH 6.3.3. BARREL MAY BE RESTRICTED AGAINST A FLAT SURFACE WITH A FORCE OF 2 LBS OR LESS.
 6. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100-2000, APPENDIX B-1, AND ASME Y14.5M-1994.
 7. UNLESS OTHERWISE SPECIFIED: REMOVE BURRS AND BREAK SHARP EDGES 0.10 MAX. SURFACE TEXTURE 125/

DISTRIBUTION STATEMENT C:
DISTRIBUTION AUTHORIZED TO U.S. GOVERNMENT AGENCIES AND THEIR CONTRACTORS, ADMINISTRATIVE OR OPERATIONAL USE, 3-09-92. OTHER REQUESTS FOR THIS DOCUMENT SHALL BE REFERRED TO COMMANDER, INDIAN HEAD DIVISION, NAVAL SURFACE WARFARE CENTER, 101 STRASS AVENUE, INDIAN HEAD, MD. 20640-5035.

CURRENT DESIGN ACTIVITY CASE CODE 14083
DEPARTMENT OF THE NAVY
NAVAL SURFACE WARFARE CENTER
INDIAN HEAD DIVISION
INDIAN HEAD, MARYLAND 20640-5035

NAVAL MISSILE CENTER
POINT MUGU, CALIF 93041

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
GENERAL TOLERANCES
XX DECIMALS ± .02
XXX DECIMALS ± .001
ANGLES ± .1°

DO NOT SCALE DRAWING

APPROVED FOR

DATE

DEPARTMENT OF THE NAVY
NAVAL AIR SYSTEMS COMMAND
WASHINGTON, D.C. 20361

BARRIER- ELECTROMAGNETIC
RADIATION

SIZE CASE CODE
D 30003 4902196

DRAWING NUMBER
4902196

SCALE: 1:1 WEIGHT: ... SHEET 1 OF 1

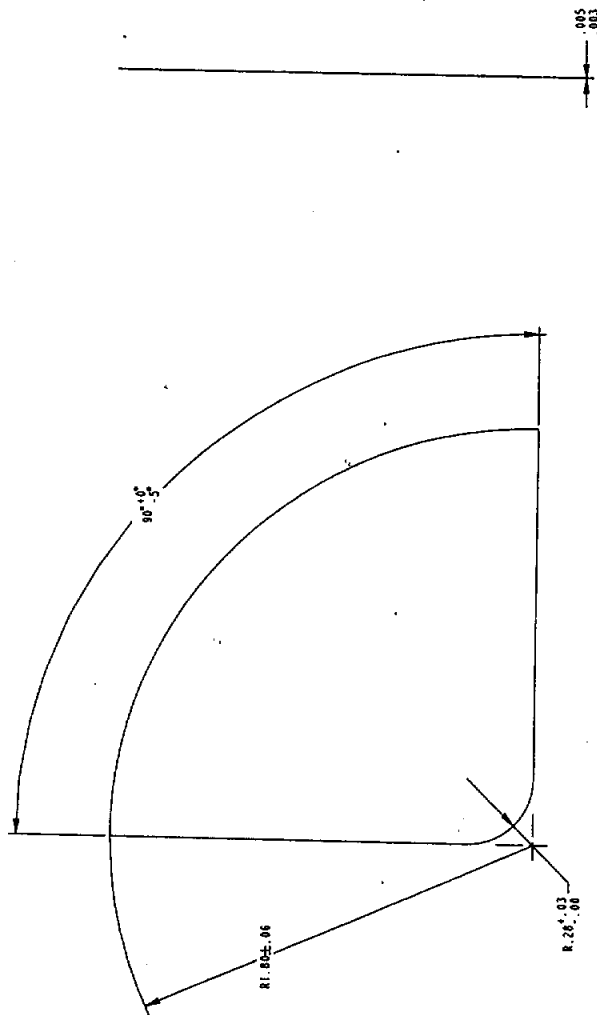
1. MATERIAL: INSULATION, ELECTRICAL, NONRIGID PER MIL-I-631, TYPE G, FORM 5, CLASS II.
2. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.1 APPENDIX B-E, AND ASME Y14.5M-1994.

2. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100-2000, APPENDIX B-E, AND ASME Y14.5M-1994.


CLASSIFICATION OF CHARACTERISTICS (DOD-STD-2101)
CRITICAL- NONE
MAJOR- NONE
MINOR- ALL CHARACTERISTICS

REVISIONS			
REV	DESCRIPTION	DATE	APPROVAL
A	REV A REPLACES REV - WITH CHANGE	5/20/69	JMS
B	SEE NOR MMC-878	6-9-70	LWF
C	SEE NOR MMC-2084	10/17/71	RO
D	SEE NOR 4902202-D	15SEP62	WET
E	REDRAWN WITH FORMAT CHANGES	7/29/02	C. P.
F	SEE ECP IH02056	6/10/02	
F	SEE ECP IH02021		

CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.



DISTRIBUTION STATEMENT C:
DISTRIBUTION AUTHORIZED TO U.S. GOVERNMENT AGENCIES AND THEIR
CONTRACTORS, ADMINISTRATIVE OR OPERATIONAL USE, 3-09-92. OTHER
REQUESTS FOR THIS DOCUMENT SHALL BE REFERRED TO COMMANDER, INDIAN
HEAD DIVISION, NAVAL SURFACE WARFARE CENTER, 101 STRAUSS AVENUE
INDIAN HEAD, MD 20640-5035

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	4902 94 01.31845 000	MATERIAL: 	DO NOT SCALE DRAWING
GENERAL TOLERANCES	4902 94 01.31845 000		
XX DECIMALS ± —	4902 94 01.31845 000		
XXX DECIMALS ± —	4902 94 01.31845 000		
ANGLES ± °	NEXT ASSY USED ON		

NAVAL MISSILE CENTER POINT MUGU, CALIF 93041		DATE	
		APPROVED FOR MAIL	
	ENGINEER	5/28/69	
	ENGINEER	AUTHENTICATED	
	CHECKED		
	DRAWN		

CURRENT DESIGN ACTIVITY CAGE CODE 14083
DEPARTMENT OF THE NAVY
NAVAL SURFACE WARFARE CENTER
INDIAN HEAD DIVISION
INDIAN HEAD, MARYLAND 20640-5035

SIZE	CAGE CODE	DRAWING NUMBER
D	30003	4902202

1. THIS ITEM IS A TWO PART SILICONE RUBBER ADHESIVE-CATALYST SYSTEM WHICH IS PRIMARILY USED TO BOND SILICONE RUBBER TO VARIOUS MATERIALS WITH A MEDIUM STRENGTH BOND OVER A TEMPERATURE RANGE OF MINUS 100°F TO PLUS 500°F.

2. FOR CHEMICAL PROPERTIES OF SR 529 SILICONE RESIN SEE

3. FOR PHYSICAL PROPERTIES OF CURED ADHESIVE-CATALYST SEE TABLE II.

4. ONLY ITEMS DESCRIBED ON THIS DRAWING ARE APPROVED FOR USE IN THE APPLICATIONS SPECIFIED HEREON. A SUBSTITUTE ITEM SHALL NOT BE USED WITHOUT PRIOR APPROVAL BY THE QUALIFYING ACTIVITY.

5. THIS SILICONE RUBBER ADHESIVE - CATALYST SYSTEM IS IDENTIFIED BY THE FOLLOWING VENDOR PART NUMBERS:

SILICONE ADHESIVE - PSA 529
CATALYST - SRC 1B

5. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100-2000, APPENDIX B-E, AND ASME Y14.5M-1994.

IDENTIFICATION OF THE APPROVED SOURCE OF SUPPLY
HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF
PRESENT OR CONTINUED AVAILABILITY AS A SOURCE OF
SUPPLY FOR THE ITEM DESCRIBED ON THE DRAWING.


APPROVED SOURCE OF SUPPLY		
VENDOR'S NAME AND ADDRESS	CAGE CODE	VENDOR'S PART NUMBER
GENERAL ELECTRIC CO. SILICONE PRODUCTS BUSINESS DEPT. WATERFORD NY 12188	01139	

TABLE I
CHEMICAL PROPERTIES

SOLIDS CONTENT	55 ± 1 PERCENT
SPECIFIC GRAVITY AT 25 DEGREES CENTIGRADE	1.00 AVG
WEIGHT PER GALLON	8.3 POUNDS
COLOR	LIGHT STRAW TRANSLUCENT
VISCOSITY	1000 TO 5000 CENTIPOISES AT 25 DEGREES CENTIGRADE
FLASH POINT	40 DEGREES CENTIGRADE
THIN WITH TOLUENE OR TOLUENE AROMATIC HYDROCARBONS WITH KE THINER, VARNISHES GREATER THAN 50	

TABLE II
CAL PROPERTIES

PHYSICAL PROPERTIES
WITH 2 TO 5 PERCENT SRC - 3900 CATALYST ADDED
DIELECTRIC STRENGTH AT 100 DEGREES CENTIGRADE 6.5 KV
PEEL RESISTANCE AT 180 DEGREES FAHRENHEIT 40 OUNCES
PER INCH
LAP SHEAR AT 180 DEGREES FAHRENHEIT AND 50
GRAMS 0 SLIPPAGE

SOURCE CONTROL: DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES GENERAL TOLERANCES	ENGINEER	NAVAL MISSILE CENTER POINT MUGS, CALIF. 93041
XX DECIMALS ±	ENGINEER	
XX DECIMALS ±	CHECKED	
ANGLES ± °	DRAWN	
	APPROVED FOR	DATE
	DO NOT SCALE DRAWING	
	APPLICATION	
4902194 DL318AS200		
4902194 DL318AS100		
4902194 DL4902194		
NEXT ASSY USED ON		

DISTRIBUTION STATEMENT C:
DISTRIBUTION AUTHORIZED TO U.S. GOVERNMENT AGENCIES AND THEIR
CONTRACTORS, ADMINISTRATIVE OR OPERATIONAL USE, 3-09-92. OTHER
REQUESTS FOR THIS DOCUMENT SHALL BE REFERRED TO COMMANDER, INDIAN
HEAD DIVISION, NAVAL SURFACE WARFARE CENTER, 101 STRAUSS AVENUE
INDIAN HEAD, MD. 20640-5035.

CURRENT DESIGN ACTIVITY CAGE CODE 14083
DEPARTMENT OF THE NAVY
NAVAL SURFACE WARFARE CENTER
INDIAN HEAD DIVISION
INDIAN HEAD, MARYLAND 20640-5035

DEPARTMENT OF THE NAVY
NAVAL AIR SYSTEMS COMMAND
WASHINGTON, D.C. 20367

ADHESIVE

SIZE	CAGE CODE	DRAWING NUMBER
D	30003	4902203

SCALE: NONE	WEIGHT: ...	SHEET 1 OF 1
-------------	-------------	--------------

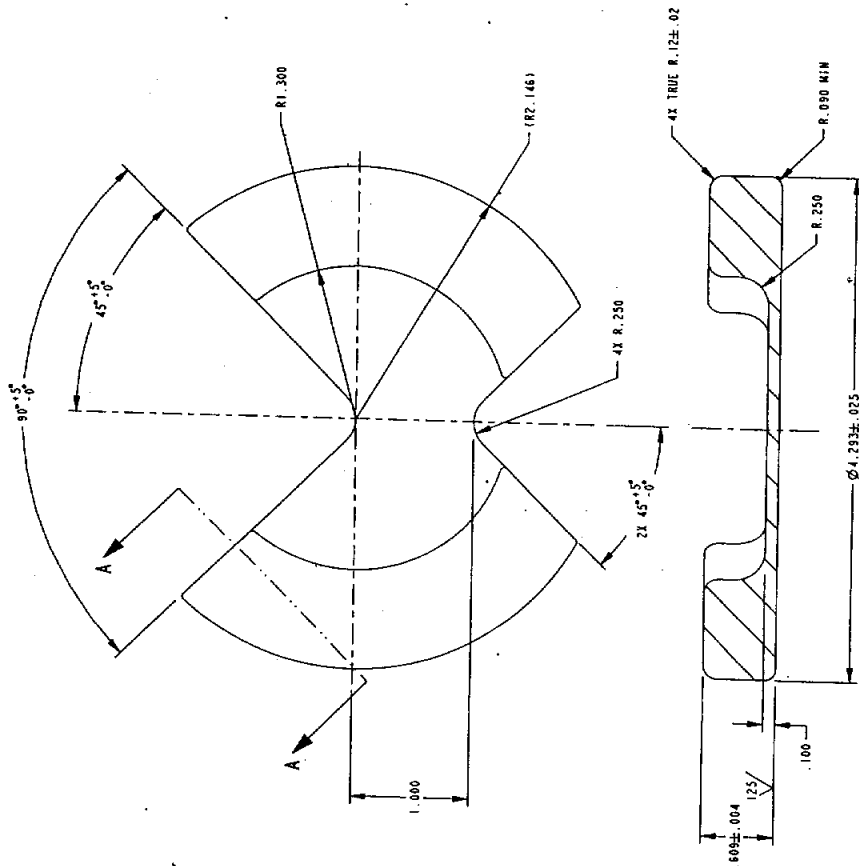
NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100-2000, APPENDIX B-E AND ASME Y14.5M-1984.
2. MATERIAL: PLASTIC, POLYURETHANE FOAM CONFORMING TO MIL-PRF-26514, DENSITY 20 POUNDS PER CU. FT.
ALTERNATE: COMPOUND MOLDING, ELASTOMERIC DRAWING NO. 4902385.
3. SURFACE TEXTURE AS FORMED EXCEPT AS NOTED.
4. COING OPTIONAL TO FACILITATE MANUFACTURING WHEN USING ALTERNATE MATERIAL.

CLASSIFICATION OF CHARACTERISTICS (DOD-STD-210)	
CRITICAL- NONE	
MAJOR- NONE	
MINOR- ALL CHARACTERISTICS	

REVISIONS	
REV	DESCRIPTION

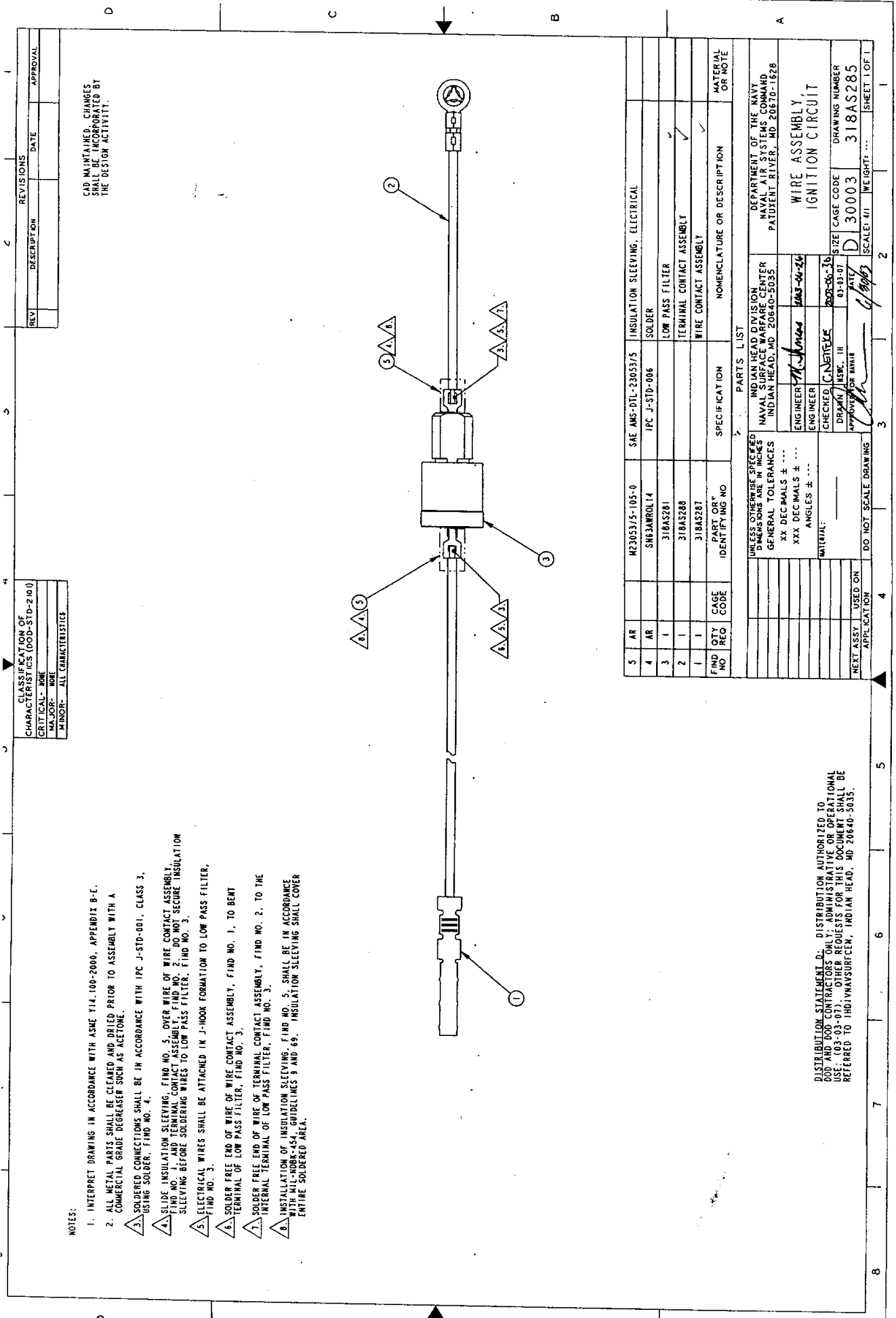
CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.



SECTION A-A

DISTRIBUTION STATEMENT C.
DISTRIBUTION AUTHORIZED TO U.S. GOVERNMENT AGENCIES AND THEIR
SUBSIDIARIES. FOR OTHERS, REQUEST FOR INFORMATION SHALL BE REFERRED TO COMMANDER, INDIAN
HEAD DIVISION, NAVAL SURFACE WARFARE CENTER, 101 STRAUSS AVENUE
INDIAN HEAD, MD. 20640-5035.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		INDIAN HEAD DIVISION NAVAL SURFACE WARFARE CENTER INDIAN HEAD, MD. 20640-5035		DEPARTMENT OF THE NAVY NAVAL AIR SYSTEMS COMMAND PATUXENT RIVER, MD. 20670-1628	
GENERAL TOLERANCES XX DECIMALS ± .03		ENGINEER <i>T. Blum</i> 06-14-2003		SUPPORT	
XXX DECIMALS ± .010		CHECKER <i>[Signature]</i> 06-24-2003		SIZE CAGE CODE D 30003	
ANGLES ± °		DRAWN <i>[Signature]</i> 06-24-2003		DRAWING NUMBER 318AS290	
MATERIAL:		APPROVED FOR ISSUE <i>[Signature]</i> 06-24-2003		SHEET 1 OF 1	
NEXT ASSY USED ON APPLICATION		DO NOT SCALE DRAWING		WEIGHT: ...	



NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100-2000, APPENDIX B-E.
2. ALL METAL PARTS SHALL BE CLEANED AND DRIED PRIOR TO ASSEMBLY WITH A COMMERCIAL GRADE DEGREASER SUCH AS ACETONE.
3. SOLDERED CONNECTIONS SHALL BE IN ACCORDANCE WITH IPC J-STD-001, CLASS 3, USING SOLDER, FIND NO. 4.
4. SLIDE INSULATION SLEEVING, FIND NO. 5, OVER WIRE OF WIRE CONTACT ASSEMBLY, FIND NO. 1, AND TERMINAL CONTACT ASSEMBLY, FIND NO. 2, DO NOT SECURE INSULATION SLEEVING BEFORE SOLDERING WIRES TO LOW PASS FILTER, FIND NO. 3.
5. ELECTRICAL WIRES SHALL BE ATTACHED IN J-HOOK FORMATION TO LOW PASS FILTER, FIND NO. 3.
6. SOLDER FREE END OF WIRE OF WIRE CONTACT ASSEMBLY, FIND NO. 1, TO BENT TERMINAL OF LOW PASS FILTER, FIND NO. 3.
7. SOLDER FREE END OF WIRE OF TERMINAL CONTACT ASSEMBLY, FIND NO. 2, TO THE INTERNAL TERMINAL OF LOW PASS FILTER, FIND NO. 3.
8. INSTALLATION OF INSULATION SLEEVING, FIND NO. 5, SHALL BE IN ACCORDANCE WITH MIL-NOR-454, GUIDELINES 9 AND 69. INSULATION SLEEVING SHALL COVER ENTIRE SOLDERED AREA.

CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.

CLASSIFICATION OF CHARACTERISTICS (ODD-STD-210)	
CRITICAL- NONE	
MAJOR- NONE	
MINOR- ALL CHARACTERISTICS	

REVISIONS	
REV	DESCRIPTION

FIND	QTY	CAGE CODE	PART OR IDENTIFYING NO	SPECIFICATION	NOMENCLATURE OR DESCRIPTION	MATERIAL OR NOTE
5	AR		H23053/5-105-0	SAE AMS-DTL-23053/5	INSULATION SLEEVING, ELECTRICAL	
4	AR		SN63AWROL14	IPC J-STD-006	SOLDER	
3	1		318AS281		LOW PASS FILTER	
2	1		318AS288		TERMINAL CONTACT ASSEMBLY	
1	1		318AS287		WIRE CONTACT ASSEMBLY	

PARTS LIST

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
GENERAL TOLERANCES	
XX DECIMALS ± ...	
XXX DECIMALS ± ...	
ANGLES ± ...	
MATERIAL:	
NEXT ASSY USED ON	
APPLICATION	
DO NOT SCALE DRAWING	
INDIAN HEAD DIVISION	
NAVAL SURFACE WARFARE CENTER	
INDIAN HEAD, MD 20640-5035	
ENGINEER: <i>W. Jones</i>	
CHECKED: <i>C. NENTJE</i>	
DRAWN: <i>W. H. H.</i>	
APPROVED: <i>W. H. H.</i>	
WIRE ASSEMBLY, IGNITION CIRCUIT	
SIZE CAGE CODE	
D 30003	
DRAWING NUMBER	
318AS285	
SHEET 1 OF 1	

CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.

CLASSIFICATION OF CHARACTERISTICS (DOD-STD-2000)

CRITICAL - RNM
MAJOR - 3
MINOR - ALL OTHER CHARACTERISTICS

REVISIONS
REV. DESCRIPTION DATE APPROVAL

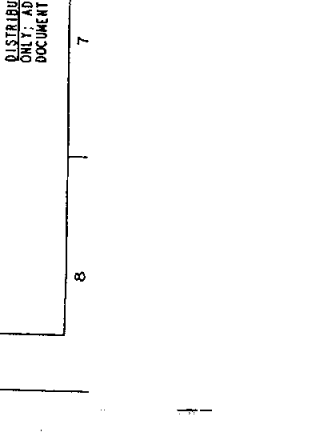
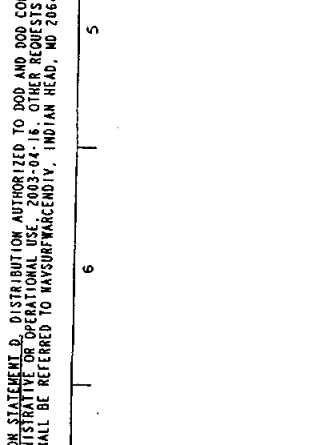
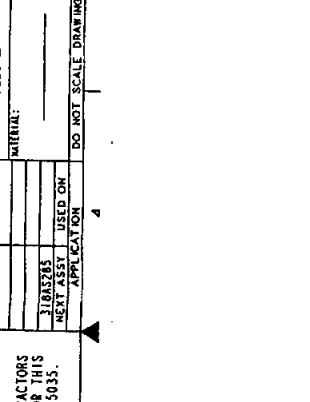
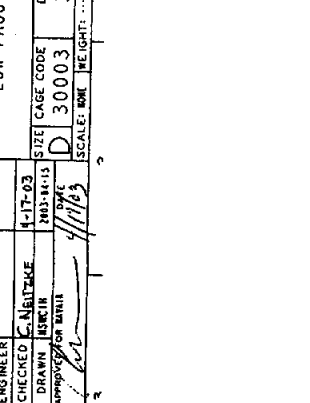
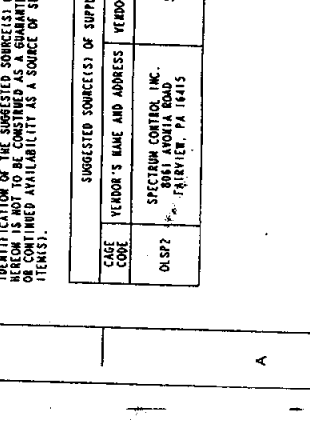
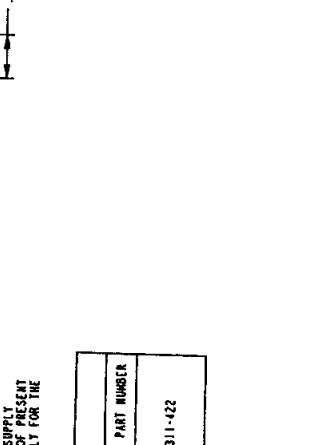
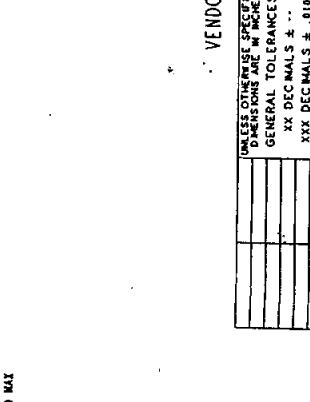
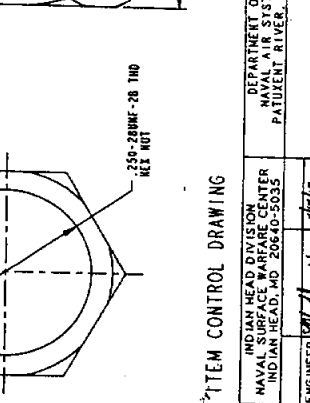
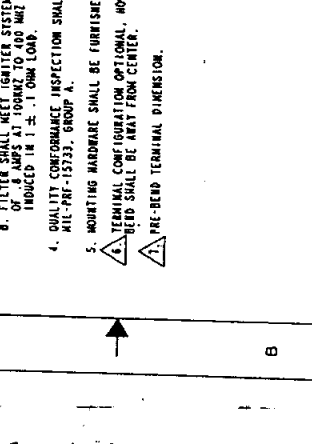
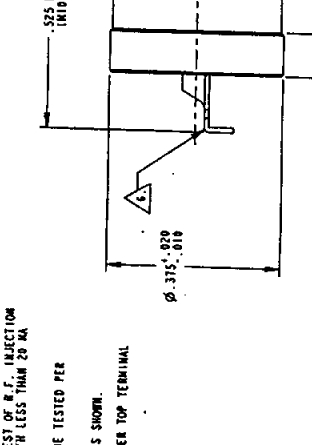
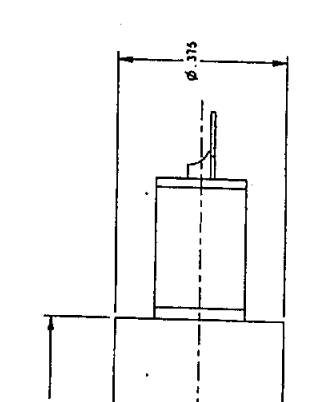
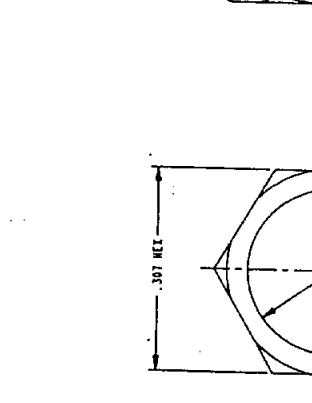
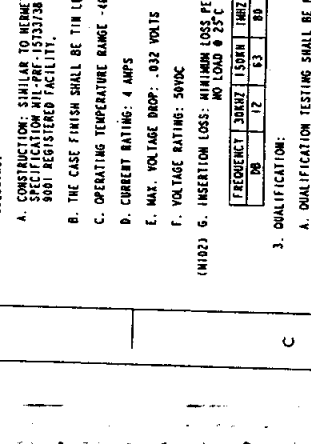
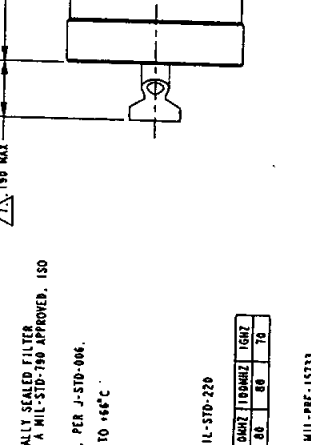
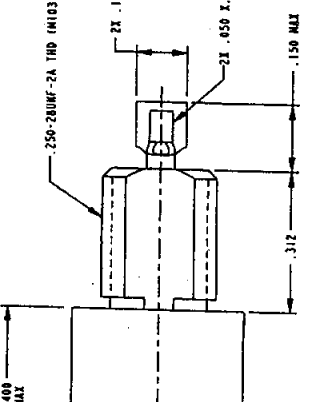
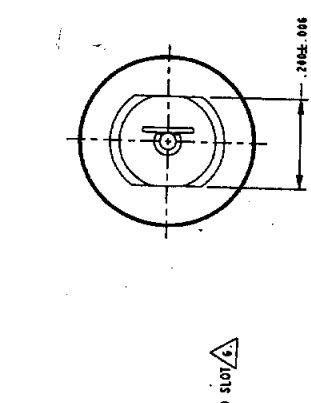
NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100-2000, APPENDIX B-C.
2. UNLESS OTHERWISE SPECIFIED, FILTER SHALL BE IN ACCORDANCE WITH MIL-PRF-15733, PER 1731-4155 AND IN ACCORDANCE WITH THE FOLLOWING:
A. CONSTRUCTION: SIMILAR TO HERMETICALLY SEALED FILTER SPECIFICATION MIL-STD-2000, 15733B IN A MIL-STD-790 APPROVED, ISO 9001 REGISTERED FACILITY.
B. THE CASE FINISH SHALL BE TIN LEAD, PER J-STD-006.
C. OPERATING TEMPERATURE RANGE: -40°C TO +66°C.
D. CURRENT RATING: 4 AMPS
E. MAX. VOLTAGE DROP: .032 VOLTS
F. VOLTAGE RATING: 50VDC
(MIL-STD-2000, 15733B IN A MIL-STD-790 APPROVED, ISO 9001 REGISTERED FACILITY.)

QUALIFICATION:
A. QUALIFICATION TESTING SHALL BE PER MIL-PRF-15733.
B. FILTER SHALL MEET IGNITER SYSTEM TEST OF R.F. INJECTION OF 400 HZ AT 1000V TO 400 HZ WITH LESS THAN 20 MA INDUCED IN 1 ± .1 OHM LOAD.
4. QUALITY CONFORMANCE INSPECTION SHALL BE TESTED PER MIL-PRF-15733, GROUP A.
5. MOUNTING HARDWARE SHALL BE FURNISHED AS SHOWN.
6. TERMINAL CONFIGURATION OPTIONAL, HOWEVER TOP TERMINAL LEAD SHALL BE AWAY FROM CENTER.
7. PRE-READ TERMINAL DIMENSION.

IDENTIFICATION OF THE SUGGESTED SOURCE(S) OF SUPPLY HEREON IS NOT TO BE CONSIDERED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM(S).

SUGGESTED SOURCE(S) OF SUPPLY
CAGE CODE YENDOR'S NAME AND ADDRESS YENDOR'S PART NUMBER
01822 SPECTRUM CONTROL INC.
14115 FAIRVIEW, PA 15115 51-311-422

DISTRIBUTION STATEMENT D. DISTRIBUTION AUTHORIZED TO DOD AND DOD CONTRACTORS ONLY. ADMINISTRATIVE OR OPERATIONAL USE. 2003-04-16. OTHER REQUESTS FOR THIS DOCUMENT SHALL BE REFERRED TO NAVSUPPORTACTIVITY, INDIAN HEAD, MD 20640-5035.



VENDOR ITEM CONTROL DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		GENERAL TOLERANCES		XXX DECIMALS ± .010		ANGLES ± .5°		MATERIAL:		DO NOT SCALE DRAWING	
ENGINEER		CHECKED		DRAWN		APPROVED		DATE		SCALE	
INDIAN HEAD DIVISION		NAVAL SURFACE OPERATIONS CENTER		INDIAN HEAD, MD 20640-5035		SIZE		CAGE CODE		DRAWING NUMBER	
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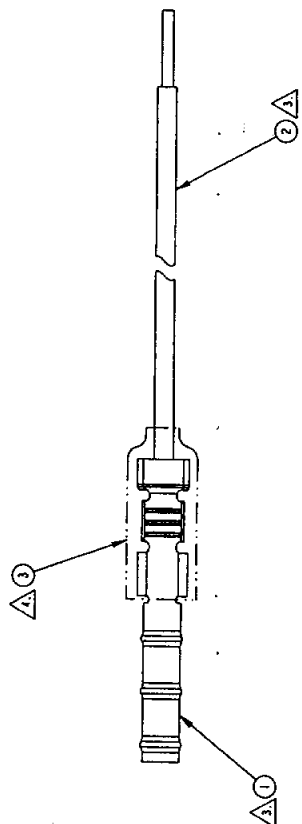
REV		DESCRIPTION		DATE		APPROVAL	

CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.

CLASSIFICATION OF CHARACTERISTICS (OOD-STD-2101)	
CRITICAL - TIME	
MAJOR - TIME	
MINOR - ALL CHARACTERISTICS	

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100-2000, APPENDIX B-E.
2. ALL METAL PARTS SHALL BE CLEANED AND DRIED PRIOR TO ASSEMBLY WITH A COMMERCIAL GRADE DEGREASER SUCH AS ACETONE.
3. CRIMP WIRE - FIND NO. 2, TO CONNECTOR, CRIMP TERMINAL SOCKET. FIND NO. 1, AS SHOWN. WIRE SHALL WITHSTAND AN AXIAL LOAD OF 35 LBS WITHOUT LOOSENING OR SLIPPING.
4. INSTALLATION OF INSULATION SLEEVING - FIND NO. 3, SHALL BE IN ACCORDANCE WITH MIL-HDBK-454, GUIDELINES 9 AND 69. INSULATION SLEEVING, FIND NO. 3, SHALL COVER THE CRIMPED WIRE AREA INDICATED BY ZONE A OF DRAWING 318AS284.

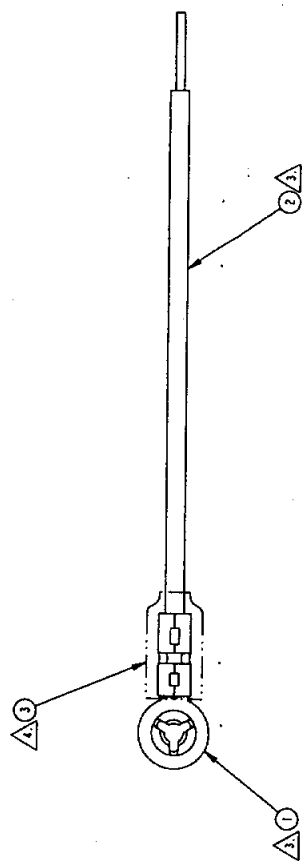


3	AR	W23053/5-105-0	SAE AMS-DTL-23053/5	INSULATION SLEEVING, ELECTRICAL	
2	I	318AS283-2		WIRE	
1	I	318AS284		CONNECTOR, CRIMP TERMINAL SOCKET	
FIND NO	QTY REQ	CAGE CODE	PART OR IDENTIFYING NO	SPECIFICATION	NOMENCLATURE OR DESCRIPTION
PARTS LIST					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES					
GENERAL TOLERANCES					
XX DECIMALS ± ...					
ANGLES ± ...					
MATERIAL:					
ENGINEER L. B. BERN					
ENGINEER					
CHECKED C. M. STECKE					
DRAWN					
APPROVED FOR MANUFACTURE					
DO NOT SCALE DRAWING					
NEXT APPLICATION					
318AS283 318AS285					
USED ON					
INDIAN HEAD DIVISION					
NAVAL SURFACE WARFARE CENTER					
INDIAN HEAD, MD 20640-5035					
DEPARTMENT OF THE NAVY					
NAVAL IN SYSTEMS COMMAND					
PATUXENT RIVER, MD 20670-1828					
WIRE CONTACT ASSEMBLY					
SIZE CAGE CODE					
D 30003					
DRAWING NUMBER					
318AS287					
SCALE: 6/1					
WEIGHT: ...					
SHEET 1 OF 1					

DISTRIBUTION STATEMENT D: DISTRIBUTION AUTHORIZED TO DOD AND DOD CONTRACTORS ONLY: ADMINISTRATIVE OR OPERATIONAL USE: (03-03-07). OTHER REQUESTS FOR THIS DOCUMENT SHALL BE REFERRED TO HMVMSURFEN, INDIAN HEAD, MD 20640-5035.

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100-2000, APPENDIX B-E.
2. ALL METAL PARTS SHALL BE CLEANED AND DRIED PRIOR TO ASSEMBLY WITH A COMMERCIAL GRADE DEGREASER SUCH AS ACETONE.
3. CRIMP WIRE, FIND NO. 2, TO SELF-RETAINING TERMINAL, FIND NO. 1, AS SHOWN. WIRE SHALL WITHSTAND AN AXIAL LOAD OF 5 LBS WITHOUT LOOSENING OR SLIPPING.
4. INSTALLATION OF INSULATION SLEEVING, FIND NO. 3, SHALL BE IN ACCORDANCE WITH MIL-HDBK-454, GUIDELINES 9 AND 59. INSULATION SLEEVING SHALL COVER ENTIRE SHANK OF SELF-RETAINING TERMINAL.



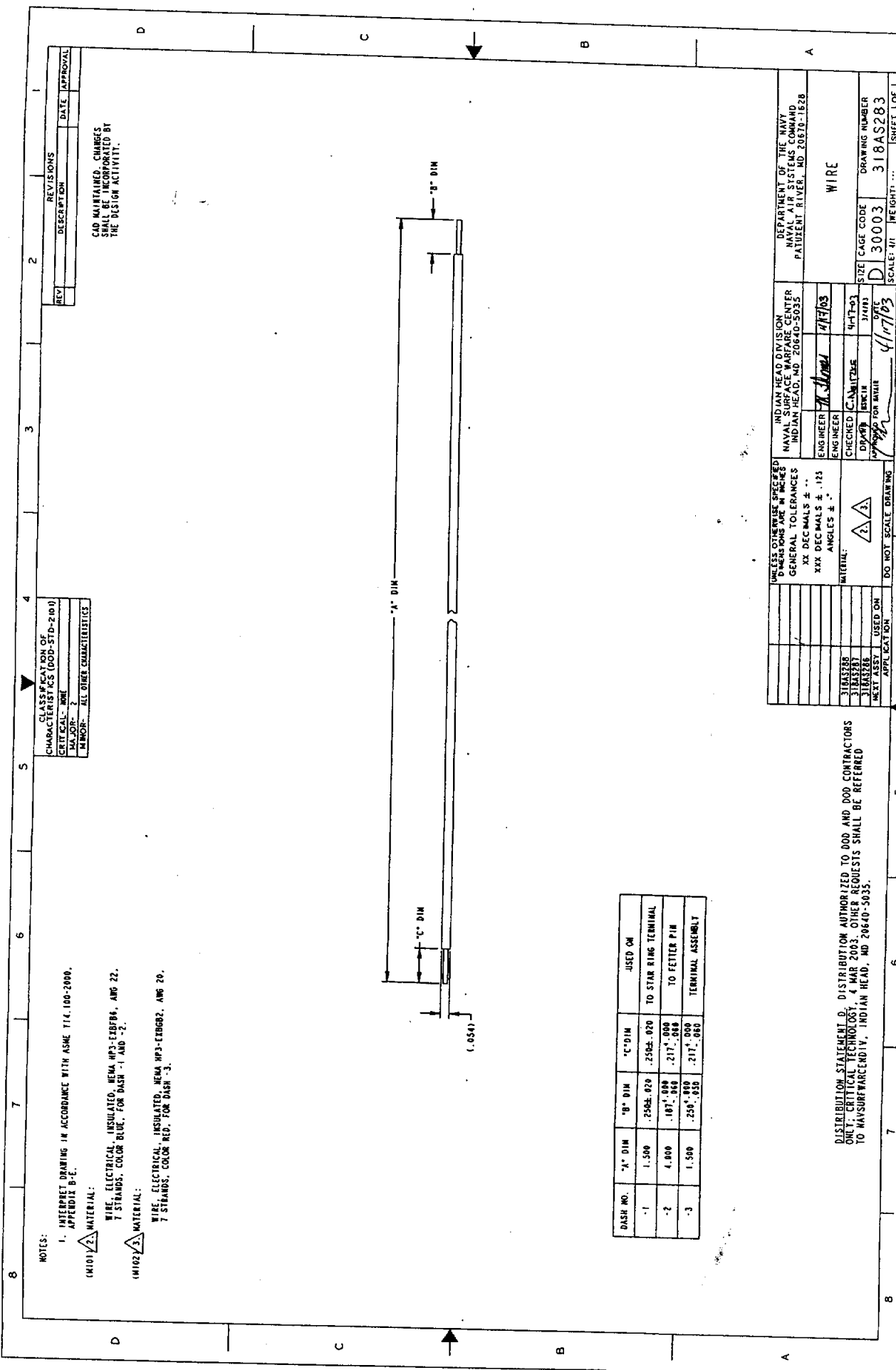
CLASSIFICATION OF CHARACTERISTICS (DOD-STD-210)	
CRITICAL- NONE	
MAJOR- NONE	
MINOR- ALL CHARACTERISTICS	

REVISIONS	
REV	DESCRIPTION

CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.

3	48	W23053/S-105-0	SAE AMS-DTL-23053/5	INSULATION SLEEVING, ELECTRICAL	
2	1		318AS283-3	WIRE	
1	1		1127884	TERMINAL, SELF-RETAINING	
FIND NO	QTY REQ	CAGE CODE	PART OR IDENTIFYING NO	SPECIFICATION	NOMENCLATURE OR DESCRIPTION
					MATERIAL OR NOTE
PARTS LIST					
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES					
GENERAL TOLERANCES					
XX DECIMALS ± ...					
XXX DECIMALS ± ...					
ANGLES ± ...					
MATERIAL:					
INDIAN HEAD DIVISION					
NAVAL SURFACE OPER CENTER					
INDIAN HEAD, MD 20640-5035					
ENGINEER L. BROWN					
CHECKED C. MONTGOMERY					
DRAWN MISC. IN					
APPROVED BY DATE					
318AS283					
NEXT ASSY USED ON					
APPLICATION					
DO NOT SCALE DRAWING					
SIZE CAGE CODE					
D 30003					
DRAWING NUMBER					
318AS288					
SCALE: 1/1					
SHEET 1 OF 1					

DISTRIBUTION STATEMENT D: DISTRIBUTION AUTHORIZED TO DOD AND DOD CONTRACTORS ONLY. ADMINISTRATIVE OR OPERATIONAL USE: (03-03-07). OTHER REQUESTS FOR THIS DOCUMENT SHALL BE REFERRED TO INDIVSURFWARREN, INDIAN HEAD MD 20640-5035.



NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100-2000, APPENDIX D-E.
- (M101)/2 MATERIAL: WIRE, ELECTRICAL, INSULATED, NEMA WP3-EDBFB4, AWG 22, 7 STRANDS, COLOR BLUE, FOR DASH -1 AND -2.
- (M102)/3 MATERIAL: WIRE, ELECTRICAL, INSULATED, NEMA WP3-EDGBB2, AWG 20, 7 STRANDS, COLOR RED, FOR DASH -3.

DASH NO.	"A" DIM	"B" DIM	"C" DIM	USED ON
-1	1.500	.250±.020	.250±.020	TO STAR RING TERMINAL
-2	4.800	.187±.000	.217±.000	TO FETTER PIN
-3	1.500	.235±.000	.217±.000	TERMINAL ASSEMBLY

DISTRIBUTION STATEMENT B. DISTRIBUTION AUTHORIZED TO DOD AND DOD CONTRACTORS ONLY. CRITICAL TECHNOLOGY, 4 MAR 2003. OTHER REQUESTS SHALL BE REFERRED TO NAWSURFACENDIV, INDIAN HEAD, MD 20640-5035.

REV	DESCRIPTION	DATE	APPROVAL

NO MAINTAINED CHARGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.

CLASSIFICATION OF CHARACTERISTICS (DOD-STD-200)	
CRITICAL- NONE	MAJOR- 2
MINOR- ALL OTHER CHARACTERISTICS	

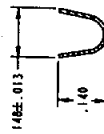
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES GENERAL TOLERANCES XX DECIMALS ± .125 ANGLES ± .5°		INDIAN HEAD DIVISION NAVAL AIR SYSTEMS CENTER INDIAN HEAD, MD 20640-5035		DEPARTMENT OF THE NAVY NAVAL AIR SYSTEMS COMMAND PATUENT RIVER, MD 20670-1628	
ENGINEER	C. J. WITPHE	CHECKED	C. J. WITPHE	SIZE	WIRE
ENGINEER	C. J. WITPHE	ENGINEER	C. J. WITPHE	SIZE CAGE CODE	D 30003
ENGINEER	C. J. WITPHE	ENGINEER	C. J. WITPHE	DRAWING NUMBER	318AS283
ENGINEER	C. J. WITPHE	ENGINEER	C. J. WITPHE	SCALE	1/16" = 1"
ENGINEER	C. J. WITPHE	ENGINEER	C. J. WITPHE	WEIGHT	...
ENGINEER	C. J. WITPHE	ENGINEER	C. J. WITPHE	SHEET	1 OF 1

NOTES:

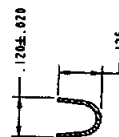
1. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100-2009, APPENDIX B-E.
2. MATERIAL: CARTRIDGE BRASS, ALLOY C26000, .010 THICK, SPRING TEMPER.
3. FINISH: TIN-PLATED BRASS.
4. SINGLE CONTACT CONNECTOR FOR ROUND (BEAD) TYPE PIN.
5. ZONE A IS WHERE THE INSULATION SLEEVING WILL BE APPLIED TO IN THE NEXT ASSEMBLY. DWG. 30003-318AS287.

IDENTIFICATION OF THE SUGGESTED SOURCE(S) OF SUPPLY HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM(S).

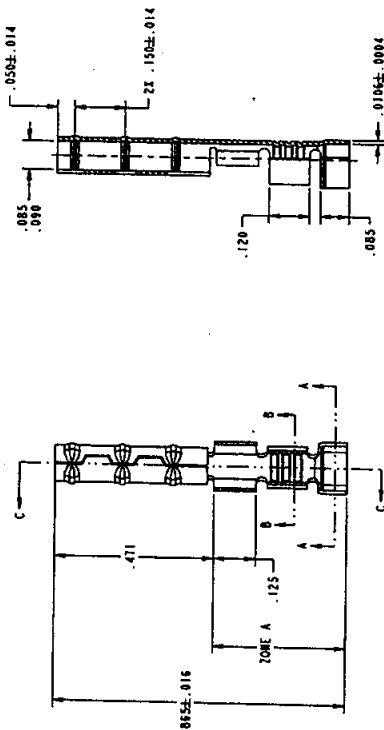
SUGGESTED SOURCE(S) OF SUPPLY	
CAGE CODE	VENDOR'S NAME AND ADDRESS
27264	CLASPCOR MODEL 1881-2 2222 WELLINGTON COURT LISLE, IL 60532



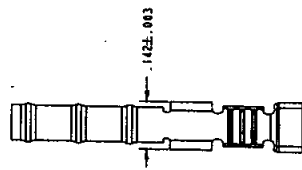
SECTION A-A



SECTION B-B



SECTION C-C



CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.

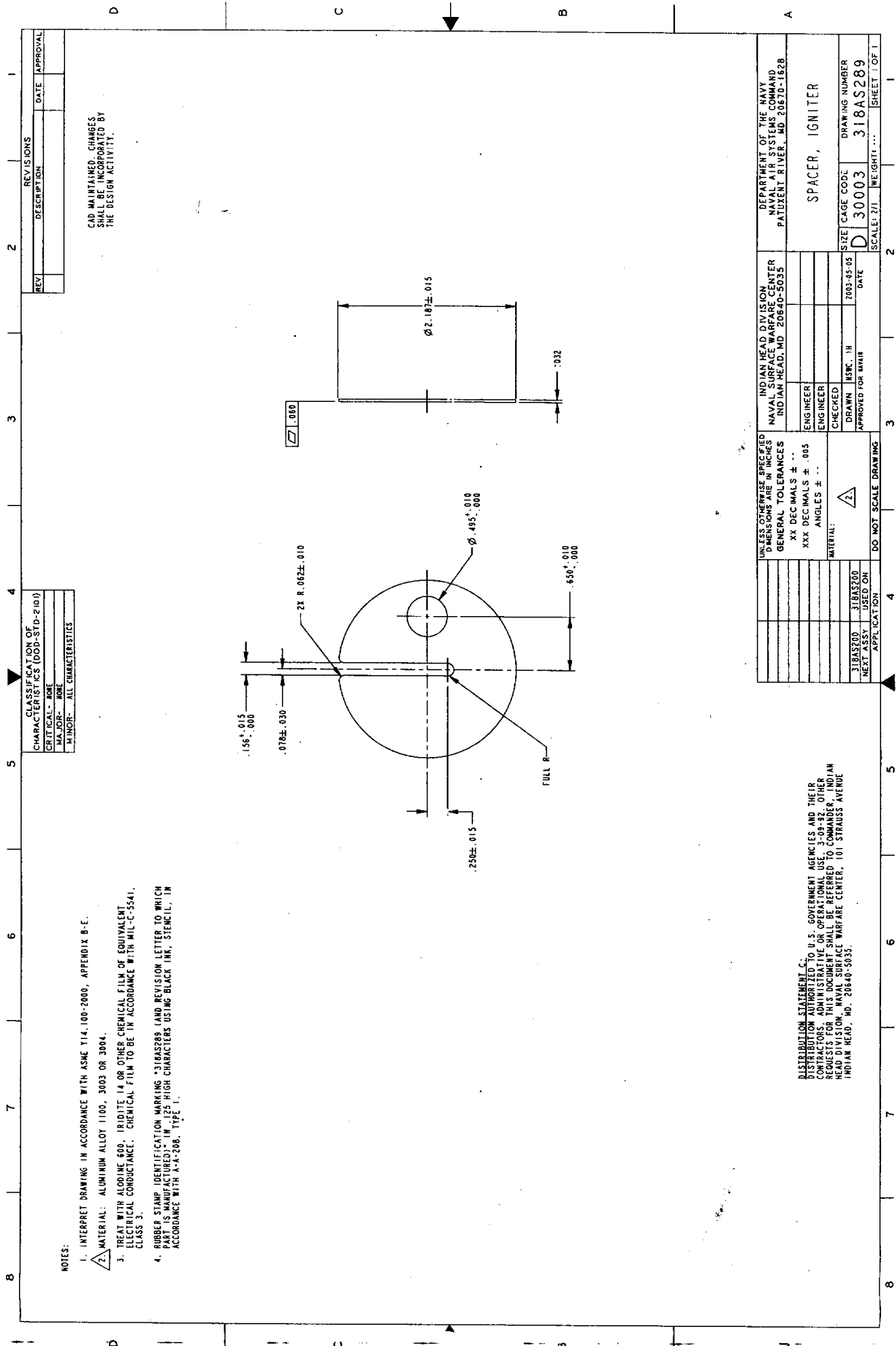
REV	DESCRIPTION	DATE	APPROVAL

CLASSIFICATION OF CHARACTERISTICS (DOD-STD-210)	
CRITICAL	NONE
MAJOR	NONE
MINOR	ALL CHARACTERISTICS

VENDOR ITEM CONTROL DRAWING

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. GENERAL TOLERANCES: XX DECIMALS ± .010, ANGLES ± .5°.		INDIAN HEAD DIVISION, NAVAL AIR SYSTEMS COMMAND, PATTERSON, CALIF., 94703-1000	
ENGINEER	W. J. JONES	CHECKED	C. M. JONES
ENGINEER	W. J. JONES	DRAWN	M. J. JONES
MATERIAL: CARTRIDGE BRASS, ALLOY C26000, .010 THICK, SPRING TEMPER.		SIZE CAGE CODE: D 30003	
DO NOT SCALE DRAWING		DRAWING NUMBER: 318AS284	
318AS284		SHEET 1 OF 1	

DISTRIBUTION STATEMENT B. DISTRIBUTION AUTHORIZED TO DOD AND DOD CONTRACTORS ONLY. CRITICAL TECHNOLOGY. 4 MAR 2003. OTHER REQUESTS SHALL BE REFERRED TO HANSON/TECHNOLOGY, INDIAN HEAD, MD 20640-5035.



CLASSIFICATION OF CHARACTERISTICS (DOD-STD-210)	
CRITICAL- NONE	
MAJOR- NONE	
MINOR- ALL CHARACTERISTICS	

REVISIONS	
REV	DESCRIPTION

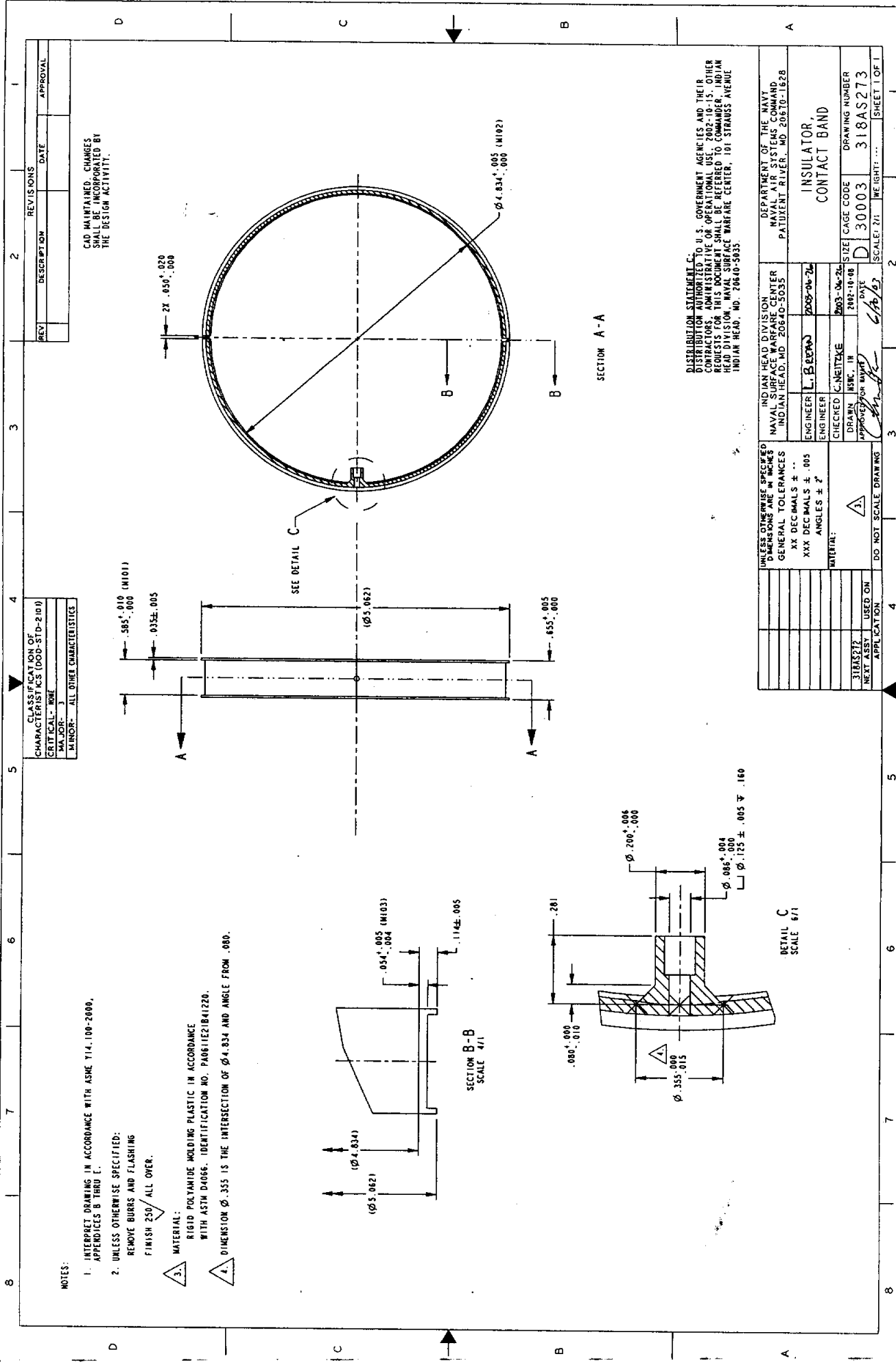
CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.

- NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100-2000, APPENDIX B-E.
 2. MATERIAL: ALUMINUM ALLOY 1100, 3003 OR 3004.
 3. TREAT WITH ALODINE 600. IRIDITE 14 OR OTHER CHEMICAL FILM OF EQUIVALENT ELECTRICAL CONDUCTANCE. CHEMICAL FILM TO BE IN ACCORDANCE WITH MIL-C-5541, CLASS 3.
 4. RUBBER STAMP IDENTIFICATION MARKING "318AS289 (AND REVISION LETTER TO WHICH PART IS MANUFACTURED)" IN .125 HIGH CHARACTERS USING BLACK INK, STENCIL, IN ACCORDANCE WITH A-A-208, TYPE I.

DISTRIBUTION STATEMENT C:
DISTRIBUTION AUTHORIZED TO U.S. GOVERNMENT AGENCIES AND THEIR CONTRACTORS. ADMINISTRATIVE OR OPERATIONAL USE. 3-09-92. OTHER REQUESTS FOR THIS DOCUMENT SHALL BE REFERRED TO COMMANDER, INDIAN HEAD DIVISION, NAVAL SURFACE WARFARE CENTER, 101 STRAUSS AVENUE INDIAN HEAD, MD. 20640-5035.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES	
GENERAL TOLERANCES	
XX DECIMALS ± .005	
ANGLES ± .5°	
MATERIAL:	
318AS200	318AS200
NEXT ASSY	USED ON
DO NOT SCALE DRAWING	

INDIAN HEAD DIVISION	
NAVAL SURFACE WARFARE CENTER	
INDIAN HEAD, MD 20640-5035	
ENGINEER	
ENGINEER	
CHECKED	
DRAWN	MSK: 1H
APPROVED FOR MWH	
DATE	2003-02-05
SIZE CAGE CODE	
D 30003	
DRAWING NUMBER	
318AS289	
SCALE: 2:1	
SHEET 1 OF 1	



REV	DESCRIPTION	DATE	APPROVAL

CLASSIFICATION OF CHARACTERISTICS (DOD-STD-210)	
MAJOR	MINOR

NOTES:

- INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100-2000, APPENDICES B THRU E.
- UNLESS OTHERWISE SPECIFIED: REMOVE BURRS AND FLASHING FINISH 250/ALL OVER.
- MATERIAL: RIGID POLYAMIDE MOLDING PLASTIC IN ACCORDANCE WITH ASTM D4066. IDENTIFICATION NO. PA0611E21B41220.
- DIMENSION 0.355 IS THE INTERSECTION OF 0.834 AND ANGLE FROM .080.

CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.

DISTRIBUTION STATEMENT C:
DISTRIBUTION AUTHORIZED TO U.S. GOVERNMENT AGENCIES AND THEIR CONTRACTORS. ADMINISTRATIVE OR OPERATIONAL USE, 2002-10-15. OTHER REQUESTS FOR THIS DOCUMENT SHALL BE REFERRED TO COMMANDER, INDIAN HEAD DIVISION, NAVAL SURFACE WARFARE CENTER, 101 STRAUSS AVENUE INDIAN HEAD, MD. 20640-5035.

INDIAN HEAD DIVISION		DEPARTMENT OF THE NAVY	
NAVAL SURFACE WARFARE CENTER		NAVAL AIR SYSTEMS COMMAND	
INDIAN HEAD, MD. 20640-5035		PATUXENT RIVER, MD. 20670-1678	
ENGINEER	L. BEAMAN	2005-06-24	INSULATOR, CONTACT BAND
CHECKED	C. NEITZKE	2005-06-24	
DRAWN	NSC, IN	2002-10-08	
APPROVED FOR MFG			
318AS273			
NET WT.			
USED ON			
APPLICATION			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES GENERAL TOLERANCES XX DECIMALS ± .005 XXX DECIMALS ± .005 ANGLES ± 2°		DO NOT SCALE DRAWING	
UTILITY:		SCALE: 2/1 WEIGHT: ...	
318AS273		DRAWING NUMBER	
NET WT.		30003	
USED ON		318AS273	
APPLICATION		SHEET 1 OF 1	

CLASSIFICATION OF CHARACTERISTICS (DD-STD-210)		
CRITICAL - NONE	MAJOR - 4	MINOR - ALL OTHER CHARACTERISTICS

REVISIONS		
REV	DESCRIPTION	DATE

CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.

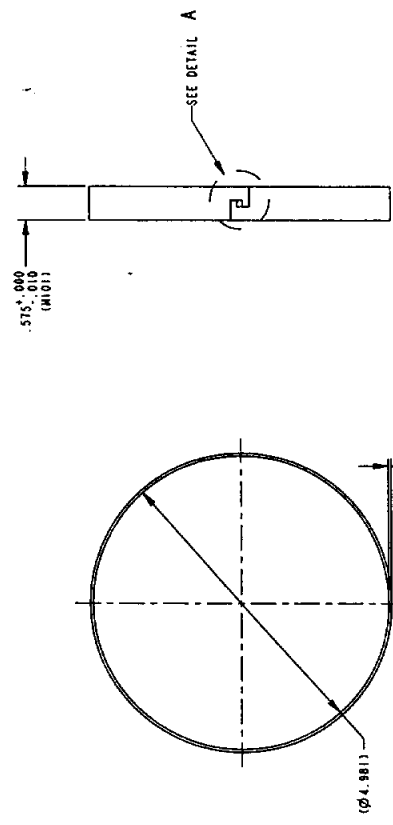
NOTES:
 1. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100-2000, APPENDICES B THRU E.
 2. MATERIAL:
 BRASS, IN ACCORDANCE WITH ASTM B36.
 COPPER ALLOY NO. C26000, QUARTER-HARD.
 FINISH AS FORMED.
 3. PREVENT REDUCTION IN THICKNESS OF MATERIAL DURING THE FORMING OPERATIONS.
 4. REMOVE BURRS AND SHARP EDGES.
 5. FINISH TIN PLATE IN ACCORDANCE WITH MIL-T-10727 TYPE I OR II, .0003-.0005 THICK FOR CORROSION RESISTANCE.
 6. ALL DIMENSIONS APPLY AFTER PLATING.

(M103) 2. MATERIAL:

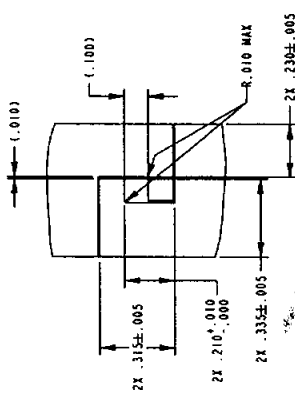
- BRASS, IN ACCORDANCE WITH ASTM B36, COPPER ALLOY NO. C26000, QUARTER-HARD. FINISH AS FORMED.
- PREVENT REDUCTION IN THICKNESS OF MATERIAL DURING THE FORMING OPERATIONS.
- REMOVE BURRS AND SHARP EDGES.
- FINISH TIN PLATE IN ACCORDANCE WITH MIL-T-10727 TYPE I OR II, .0003-.0005 THICK FOR CORROSION RESISTANCE.
- ALL DIMENSIONS APPLY AFTER PLATING.

(M104) 6. FINISH TIN PLATE IN ACCORDANCE WITH MIL-T-10727 TYPE I OR II, .0003-.0005 THICK FOR CORROSION RESISTANCE.

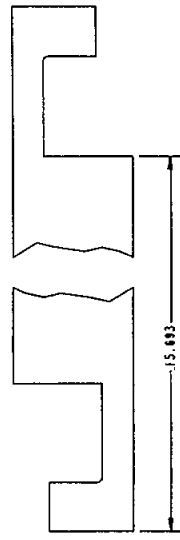
7. ALL DIMENSIONS APPLY AFTER PLATING.



.050 ± .002 (M102)

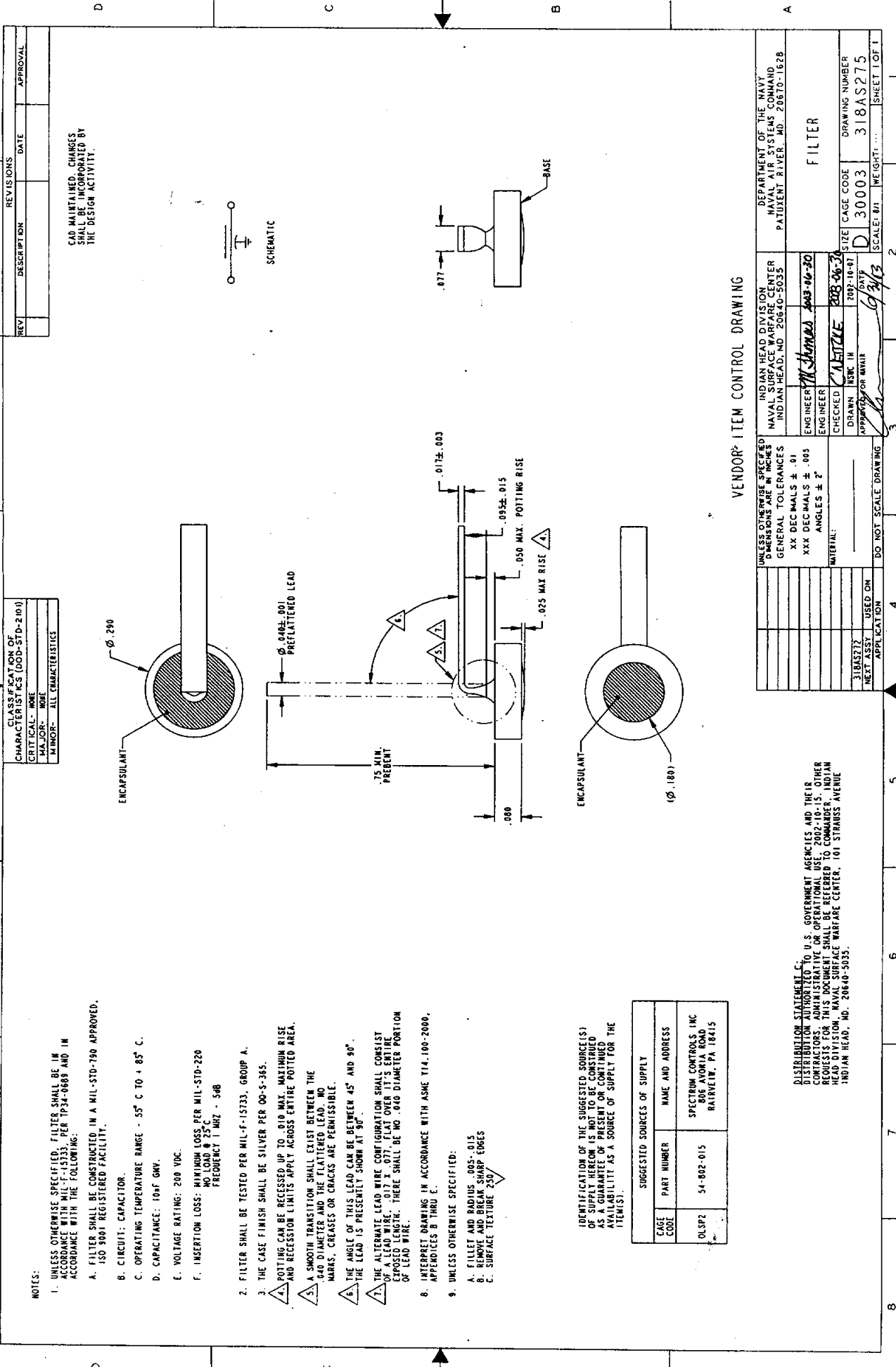


DETAIL A
SCALE 4/1



DISTRIBUTION STATEMENT C:
 DISTRIBUTION AUTHORIZED TO U.S. GOVERNMENT AGENCIES AND THEIR CONTRACTORS, ADMINISTRATIVE OR OPERATIONAL USE, 2002-10-15. OTHER REQUESTS FOR THIS DOCUMENT SHALL BE REFERRED TO COMMANDER, INDIAN HEAD DIVISION, NAVAL SURFACE WARFARE CENTER, 101 STRAUSS AVENUE, INDIAN HEAD, MD. 20640-5035.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES GENERAL TOLERANCES XX DECIMALS ± .010 ANGLES ± .1		INDIAN HEAD DIVISION NAVAL SURFACE WARFARE CENTER INDIAN HEAD, MD. 20640-5035		DEPARTMENT OF THE NAVY NAVAL AIR SYSTEMS COMMAND PATUXENT RIVER, MD. 20670-1628	
MATERIAL: 318AS272 NEXT ASSY USED ON APPLICATION		ENGINEER L. BRENN 2003-06-21	CHECKED C. METZKE 2003-06-21	BAND, CONTACT	
DO NOT SCALE DRAWING		DATE 6/24/03	SCALE 1/1	SIZE D 30003	DRAWING NUMBER 318AS274
		SHEET 1 OF 1			



REV	DESCRIPTION	DATE	APPROVAL

CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.

CLASSIFICATION OF CHARACTERISTICS (DOD-STD-210)	CHARACTERISTICS
CRITICAL- NONE	
MAJOR- NONE	
MINOR- ALL CHARACTERISTICS	

NOTES:
1. UNLESS OTHERWISE SPECIFIED, FILTER SHALL BE IN ACCORDANCE WITH MIL-F-15133, PER 1734-0669 AND IN ACCORDANCE WITH THE FOLLOWING:
A. FILTER SHALL BE CONSTRUCTED IN A MIL-STD-780 APPROVED, 150 300T REGISTERED FACILITY.
B. CIRCUIT: CAPACITOR.
C. OPERATING TEMPERATURE RANGE - 55° C TO + 85° C.
D. CAPACITANCE: 10nF 6W.
E. VOLTAGE RATING: 200 VDC.
F. INSERTION LOSS: MINIMUM LOSS PER MIL-STD-220 NO LOAD @ 25°C FREQUENCY 1 MHz - 5dB

2. FILTER SHALL BE TESTED PER MIL-F-15133, GROUP A.
3. THE CASE FINISH SHALL BE SILVER PER QQ-S-365.
4. POTTING CAN BE RECESSED UP TO .010 MAX. MAXIMUM RISE AND RECESS LIMITS APPLY ACROSS ENTIRE POTTED AREA.
5. A SMOOTH TRANSITION SHALL EXIST BETWEEN THE .040 DIAMETER AND THE FLATTENED LEAD. NO MARKS, CREASES OR CRACKS ARE PERMISSIBLE.
6. THE ANGLE OF THIS LEAD CAN BE BETWEEN 45° AND 90°.
7. THE ALTERNATE LEAD WIRE CONFIGURATION SHALL CONSIST OF A LEAD WIRE .017 X .077, FLAT OVER IT'S ENTIRE EXPOSED LENGTH. THERE SHALL BE NO .040 DIAMETER PORTION OF LEAD WIRE.
8. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100-2000, APPENDICES B THRU E.
9. UNLESS OTHERWISE SPECIFIED:
A. FILLET AND RADIUS .005-0.15
B. REMOVE AND BREAK SHARP EDGES
C. SURFACE TEXTURE 250

IDENTIFICATION OF THE SUGGESTED SOURCE(S) OF SUPPLY HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM(S).

SUGGESTED SOURCES OF SUPPLY

DISTRIBUTION STATEMENT C:
DISTRIBUTION AUTHORIZED TO U.S. GOVERNMENT AGENCIES AND THEIR CONTRACTORS, ADMINISTRATIVE OR OPERATIONAL USE, 2002-10-15. OTHER REQUESTS FOR THIS DOCUMENT SHALL BE REFERRED TO COMMANDER, INDIAN HEAD DIVISION, NAVAL SURFACE WARFARE CENTER, 101 STRAUSS AVENUE INDIAN HEAD, MD. 20640-5035.

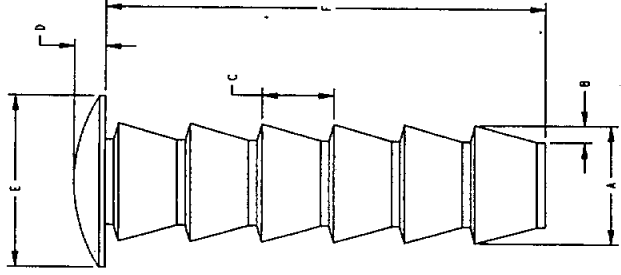
UNLESS OTHERWISE SPECIFIED	INDIAN HEAD DIVISION	DEPARTMENT OF THE NAVY
DIMENSIONS ARE IN INCHES	NAVAL SURFACE WARFARE CENTER	NAVAL AIR SYSTEMS COMMAND
XX DECIMALS ± .01	INDIAN HEAD, MD. 20640-5035	PATUXENT RIVER, MD. 20670-1628
XXX DECIMALS ± .003	ENGINEER <i>W. Shuman</i> 2003-06-30	ENGINEER
ANGLES ± 2°	CHECKED <i>CHITRICK</i> 2003-06-30	DATE
MATERIAL:	DRAWN <i>NSC</i> IN 2002-10-07	SIZE CAGE CODE
318AS275	APPROVED FOR MAIL	D 30003
NEXT ASSY USED ON	DO NOT SCALE DRAWING	DRAWING NUMBER
APPLICATION	4	318AS275
		SCALE: 1/1
		SHEET 1 OF 1

VENDOR ITEM CONTROL DRAWING

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100-2000, APPENDICES B THRU E.

ONLY ITEMS DESCRIBED ON THIS DRAWING ARE APPROVED FOR USE IN THE APPLICATIONS SPECIFIED HEREON. A SUBSTITUTE ITEM SHALL NOT BE USED WITHOUT PRIOR APPROVAL BY THE QUALIFYING ACTIVITY.
IDENTIFICATION OF THE APPROVED SOURCES OF SUPPLY HEREON IS NOT TO BE CONSIDERED AS A GUARANTEE OF PRESENT OR CONTINUED RELIABILITY AS A SOURCE OF SUPPLY FOR THE ITEM DESCRIBED ON THE DRAWING.

APPROVED SOURCE(S) OF SUPPLY		
NAME AND ADDRESS	CAGE CODE	PART NUMBER
IDEAL PRODUCTS, INC. LANDRETH ENGINEERING DIVISION 155 FERRIS ROAD BEECON FALLS, CT. 06403	08445	ORDER PER SCREW SIZE 1.445 ± .010 LONG



SCREW SIZE	DIA A	DIM B	PITCH C	DIM D	DIM E	DIM F	HEAD NO.	TPI
2	.100 .097	.014	.035	.026 .020	.152 .142	.465 ±.010	501	28

SOURCE CONTROL DRAWING

DISTRIBUTION STATEMENT C:
DISTRIBUTION AUTHORIZED TO U.S. GOVERNMENT AGENCIES AND THEIR CONTRACTORS. ADMINISTRATIVE OR OPERATIONAL USE, 2002-10-15. OTHER REQUESTS FOR THIS DOCUMENT SHALL BE REFERRED TO COMMANDER, INDIAN HEAD DIVISION, NAVAL SURFACE WARFARE CENTER, 101 STRAUSS AVENUE INDIAN HEAD, MD. 20640-5035.

REVISIONS		
REV	DESCRIPTION	DATE

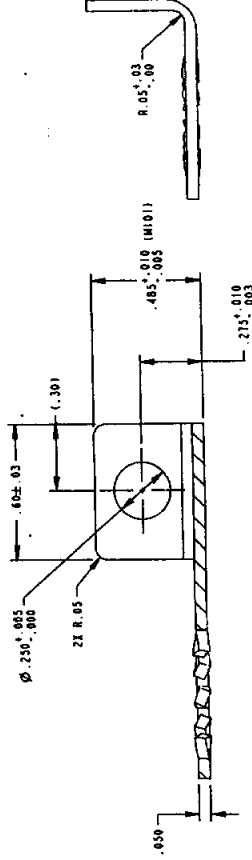
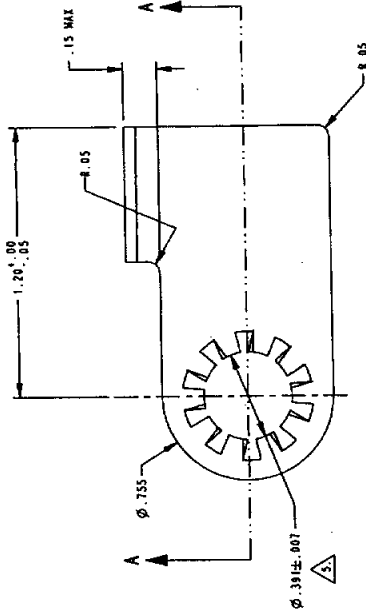
CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.

CLASSIFICATION OF CHARACTERISTICS (DOD-STD-210)		
CRITICAL- NONE	MAJOR- NONE	MINOR- ALL CHARACTERISTICS

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES GENERAL TOLERANCES XX DECIMALS ± — XXX DECIMALS ± .005 ANGLES ± — MATERIAL: CRES. TYPE 302 DO NOT SCALE DRAWING	INDIAN HEAD DIVISION NAVAL SURFACE WARFARE CENTER INDIAN HEAD, MD. 20640-5035	DEPARTMENT OF THE NAVY NAVAL AIR SYSTEMS COMMAND PATUENT RIVER, MD. 20780-1828
ENGINEER: <i>Matthew</i> 2003-09-26	ENGINEER: <i>Matthew</i> 2003-09-26	PIN, FETTERED DRIVE
CHECKED: <i>CANITCKE</i> 2003-09-30	CHECKED: <i>CANITCKE</i> 2003-09-30	SIZE CAGE CODE
DRAWN: <i>USC IN</i>	DRAWN: <i>USC IN</i>	D 30003
APPROVED FOR MATH: <i>[Signature]</i>	APPROVED FOR MATH: <i>[Signature]</i>	DRAWING NUMBER
318AS279	318AS279	318AS279
SCALE: 2	SCALE: 2	WEIGHT: ...
SHEET 1 OF 1	SHEET 1 OF 1	SHEET 1 OF 1

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100-2000, APPENDICES B THRU E.
2. MATERIAL: CORROSION RESISTANT, PASSIVATED STEEL, UNS S41000, IN ACCORDANCE WITH ASTM A 240. PASSIVATION TREATMENT IN ACCORDANCE WITH SAE AMS-00-7-35.
3. UNLESS OTHERWISE SPECIFIED:
REMOVE BURRS AND BREAK SHARP EDGES .010 MAX.
FILLETS R .010 MAX.
SURFACE TEXTURE SHALL BE AS FABRICATED.
4. PACKAGE WITH IDENTIFICATION NO. "30003-318AS291" IN ACCORDANCE WITH MIL-STD-130.
5. THE TEETH SHALL CONFORM TO AN INTERNAL TOOTH-LOCK WASHER, ASME B16.21.1, NOMINAL SIZE .375, TYPE OPTIONAL.



SECTION A-A

CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.

REV	DESCRIPTION	DATE	APPROVAL

CLASSIFICATION OF CHARACTERISTICS (OOD-STD-210)	
CRITICAL	MAJOR
MINOR	ALL OTHER CHARACTERISTICS

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES		INDIAN HEAD DIVISION		DEPARTMENT OF THE NAVY	
GENERAL TOLERANCES		NAVAL SURFACE WARFARE CENTER		NAVAL AIR SYSTEMS COMMAND	
XX DECIMALS ± .01		INDIAN HEAD, MD 20640-5035		PATUXENT RIVER, MD 20670-1828	
XXX DECIMALS ± .005		ENGINEER L. BREDAJ		BRACKET, MOUNTING	
ANGLES ± 2°		ENGINEER		SIZE	
MATERIAL:		CHECKED C. NITZLE		CAGE CODE	
NEXT ASST USED ON		DRAWN HSC, IN		D 30003	
APPLICATION		APPROVED BY NAWA		DRAWING HUI BEP	
DO NOT SCALE DRAWING		DATE 6/10/03		318AS291	
SCALE: 1/1		WEIGHT: ...		SHEET 1 OF 1	

DISTRIBUTION STATEMENT C:
DISTRIBUTION AUTHORIZED TO U.S. GOVERNMENT AGENCIES AND THEIR CONTRACTORS. ADMINISTRATIVE OR OPERATIONAL USE, 3-04-92. OTHER REQUESTS FOR THIS DOCUMENT SHALL BE REFERRED TO COMMANDER, INDIAN HEAD DIVISION, NAVAL SURFACE WARFARE CENTER, 161 STRAUSS AVENUE, INDIAN HEAD, MD, 20640-5035.

CLASSIFICATION OF CHARACTERISTICS (DOD-STD-210)	
CRITICAL- RME	
MAJOR- RME	
MINOR- ALL CHARACTERISTICS	

REV	DESCRIPTION	DATE	APPROVAL
A	SEE ROR HMC-1085	10/1/71	RD
B	SEE ROR 4902-85-B	9/15/82	MEY
C	REDRAWN WITH FORMAT CHANGES	7/29/02	C.P.
D	SEE ECP 102058		
E	SEE ECP 102058	6/2/03	CP
F	SEE ECP 102058		

CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.

NOTES:
 1. MATERIAL SHALL BE A GRANULAR OR PELLETIZED MOLDING COMPOUND WITH THE FOLLOWING PROPERTIES:

PROPERTY	VALUE
SPECIFIC GRAVITY	1.21
ASTM D-12-21	
HARDNESS	600 ± 5
ASTM D-678	
100% MODULUS PSI	3000 MIN.
ASTM D-412	
300% MODULUS PSI	5000 MIN.
ASTM D-412	
ULTIMATE TENSILE PSI	6900 MIN.
ASTM D-412	
ELONGATION %	320 MIN
ASTM D-412	
ELONGATION SET, %	28 MAX.
ASTM D-412, AT BREAK	
LOW TEMPERATURE BRITTLENESS	-100
ASTM D-746, °F	
ABRASION RESISTANCE, * GM	.04 MAX.
TABER ABRADER	
TEAR STRENGTH, PLI	920 MIN.
ASTM D-824, DIE "C"	
CURE CYCLE	230°F. TO 250°F. 4 HRS. AT R.T.

* H-22 WHEEL, 1000 GRAMS WEIGHT, 1000 REVOLUTIONS-WEIGHT LOSS IN GRAMS.

2. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100-2000, APPENDIX D-E, AND ASME Y14.5M-1994.

DISTRIBUTION STATEMENT C:
 DISTRIBUTION AUTHORIZED TO U.S. GOVERNMENT AGENCIES AND THEIR CONTRACTORS. IT IS TO BE DISTRIBUTED BY THE GOVERNMENT TO OTHERS ONLY BY AUTHORITY OF THE GOVERNMENT. REQUEST FOR THIS MATERIAL SHALL BE FORWARDED TO THE HEAD DIVISION, NAVAL SURFACE WARFARE CENTER, 101 STRAUSS AVENUE, INDIAN HEAD, MD. 20640-5035.

CURRENT DESIGN ACTIVITY CAGE CODE 14083 DEPARTMENT OF THE NAVY NAVAL SURFACE WARFARE CENTER INDIAN HEAD, MARYLAND 20640-5035		NAVAL MISSILE CENTER POINT MUGU, CALIF 93041		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE: GENERAL TOLERANCES XX DECIMALS ± — ANGLES ± —		DO NOT SCALE DRAWING	
DEPARTMENT OF THE NAVY NAVAL AIR SYSTEMS COMMAND WASHINGTON, D.C. 20331		ENGINEER		MATERIAL: 31452700 DI 4902184 4902187 DI 3145270 4902187 DI 31452100 4902187 DI 4902194		NEXT ASSY USED ON:	
COMPOUND MOLDING, ELASTOMERIC		ENGINEER		CHECKED		DATE	
SIZE CAGE CODE D 3003		DRAWN		APPROVED FOR		SHEET 1 OF 1	
DRAWING NUMBER 4902385		SCALE: NONE		WEIGHT: ...			

Form Approved
OMB No. 0704-0188

CONTRACT LINE ITEM NO.

C. CATEGORY:

TDP	TM	OTHER X
-----	----	---------

E. CONTRACT/PR NO.

F. CONTRACTOR

1. DATA ITEM NO.
A001

2. TITLE OF DATA ITEM

REQUEST FOR DEVIATION (RFD)

3. SUBTITLE

4.AUTHORITY (Data Acquisition Document No.)
DI-CMAN-80640C

5. CONTRACT REFERENCE
SOW 3.3.1

6. REQUIRING OFFICE
NAVSURFWARCEN, CODE 2310

7. DD 250 REQ
LT

9 DIST STATEMENT
REQUIRED

10. FREQUENCY
ASREQ

12. DATE OF FIRST SUBMISSION
SEE BLK 16

14.	DISTRIBUTION
-----	--------------

8. APP CODE
N/A

N/A

11. AS OF DATE
N/A

13. DATE SUBSEQUENT SUBMISS
SEE BLK 16

a. ADDRESSEE	FINAL
SEE BLOCK 16	Draft Reg

16. REMARKS

BLK 12 & 13: This data item (Request for Deviation) must be submitted when government approval of a deviation from the drawing, statement of work, and/or contract is being sought. The government shall respond to the RFD within five business days of RFD receipt.

BLK 14: The following address should be used for the distribution of this data item. The "attn:" code shall change appropriately to correspond to the addresses listed in block 14a.

Commander
Naval Surface Warfare Center, Indian Head Division
101 Strauss Avenue
Indian Head, Maryland 20640-5035
Attn: Code 1142

12.

Code 1142

1

Code 2310A

1

15. Total

2

PREPARED BY

H. DATE

I. APPROVED BY

J. DATE

Timothy Appleby, Code 2310A

2003-07-16

2023-07-17

DD FORM 1423-1, JUN 90

Previous editions are obsolete. 1161/183

Attachment (F)

17. Price Group

18. Estimated Total Price

DATA ITEM DESCRIPTION

Title: REQUEST FOR DEVIATION (RFD)

Number:	DI-CMAN-80640C	Approval Date:	20000930
AMSC Number:	D7389	Limitation:	N/A
DTIC Applicable:	No	GIDEP Applicable:	No
Office of Primary Responsibility:	D/DUSD(AT&L)SE		
Applicable Forms:	N/A		

Use, Relationships: A Request for Deviation describes a proposed departure from (a non-conformance with) the contractually-specified configuration documentation for a specific number of units or for a specified period of time.

A Request for Deviation enables the Government to determine the impact on performance, operational readiness, logistics support or other affected areas.

This Data Item Description (DID) contains the format, content and preparation instructions for the data product resulting from the work task specified in the contract.

Data Item Description submittal in Extensible Markup Language (XML) is acceptable. An XML Document Type Definition (DTD), associated XML document template, and other information is available from <http://www.geia.org/836/>

This DID supersedes DI-CMAN-80640B and DI-CMAN-80641B.

Requirements:

1. Reference documents. The applicable issue of any documents cited herein, including their approval dates and dates of any applicable amendments, notices, and revisions, shall be as specified in the contract.
2. Format and content. The Request for Deviation (RFD) shall be prepared in contractor format. The RFD content shall include the consideration to be provided if the government accepts the deviation and, where applicable, the following information:
 - a. a complete description of the contract requirement affected and the nature of the deviation (non-conformance)
 - b. number of units (and serial/lot numbers) to be delivered in this configuration
 - c. any impacts to logistics support elements (such as software, manuals, spares, tools, and similar) being utilized by government personnel or to the operational use of the product
 - d. information about remedial actions being taken to prevent reoccurrence of the non-conformance

The following references may be useful in defining content: MIL-HDBK-61, Configuration Management Guidance (paragraph 4.3 and Table 4-9) and ANSI/EIA-649-1998, National Consensus Standard for Configuration Management (paragraph 5.3.4).

END OF DI-CMAN-80640C.

CONTRACT DATA REQUIREMENTS LISTForm Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 440 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington D.C. 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

CONTRACT LINE ITEM NO.**B. EXHIBIT****C. CATEGORY:**

A

TDP

TM

OTHER X

D. SYSTEM/ITEM**E. CONTRACT/PR NO.****F. CONTRACTOR**

MK 71 ROCKET MOTOR

2. TITLE OF DATA ITEM

3. SUBTITLE

A002

FAILURE ANALYSIS AND CORRECTIVE ACTION REPORT

DISCREPANCY REPORT

4. AUTHORITY (Data Acquisition Document No.)

5. CONTRACT REFERENCE

6. REQUIRING OFFICE

DI-RELI-81315

SOW 3.3.2

NAVSURFWARREN, CODE 2310

7. DD 250 REQ

9. DIST STATEMENT

10. FREQUENCY

12. DATE OF FIRST SUBMISSION

LT

REQUIRED

ASREQ

SEE BLOCK 16

14. DISTRIBUTION

8. APP CODE

N/A

11. AS OF DATE

13. DATE SUBSEQUENT SUBMISS

N/A

N/A

N/A

SEE BLK 16

b. COPIES

a. ADDRESSEE

FINAL

SEE BLOCK 16

Draft

Reg

Repo

16. REMARKS

BLK. 12 & 13: This data item (Discrepancy Report) must be submitted when a discrepancy to the requirements of the drawing, statement of work, contract and/or in-process inspection requirement has been identified and prior to continuing with manufacturing that would result in the continued production of the discrepancy. The government shall respond to the Discrepancy Report within five business days of discrepancy report receipt.

BLK 14a: The following address should be used for the distribution of this data item. The "Attn:" code shall change appropriately to correspond to the addressees listed in block 14a.

Commander

Naval Surface Warfare Center, Indian Head Division

101 Strauss Avenue

Indian Head, Maryland 20640-5035

Attn: Code 1142

1142

1

2310A

1

15. Total

2

G. PREPARED BY

H. DATE

I. APPROVED BY

J. DATE

Timothy Appleby
Timothy Appleby, Code 2310A

2003-07-16

M. Elaine Funkhouser

2003-07-17

DD FORM 1423-1, JUN 90

Previous editions are obsolete. 1161/183

Attachment (F)

17. Price Group

18. Estimated Total Price

DATA ITEM DESCRIPTION

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.

1. TITLE

Failure Analysis and Corrective Action Report

2. IDENTIFICATION NUMBER

DI-RELI- 81315

3. DESCRIPTION/PURPOSE

3.1 Provides immediate reporting of failure and subsequent details failure analysis results and corrective action recommendation.

4. APPROVAL DATE
(YYMMDD)
930125

5. OFFICE OF PRIMARY RESPONSIBILITY (OPR)
G/Y224

6a. DTIC APPLICABLE

6b. GIDEP APPLICABLE

7. APPLICATION/INTERRELATIONSHIP

7.1 This Data Item Description (DID) contains the format and content preparation instructions for the data resulting from the work task as described by MIL-STD-781D and MIL-STD-785B.

7.2 This DID supersedes DI-R-5299C.

8. APPROVAL LIMITATION

9a. APPLICABLE FORMS

9b. AMSC NUMBER

G6891

10. PREPARATION INSTRUCTIONS

10.1 Reference documents. The applicable issue of the documents cited herein, including their approval dates and dates of any applicable amendments, notices, and revisions, shall be as specified in the contract.

10.2 Content. The report shall contain the following:

- Failure Analysis Report Number. (See 10.5)
- Contract number.
- Equipment title.
- Equipment serial number.
- Date of failure..
- Test failed.
- Effect on equipment.

11. DISTRIBUTION STATEMENT

(Continue on Page 2)

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

10. PREPARATION INSTRUCTIONS (Continued)

h. Total test time at failure.

10.3 Preliminary Report. Content and format shall be as follows:

10.3.1 Content.

- a. Originator of the report.
- b. Date of the failure.
- c. Date of the report.
- d. Contractor's name.
- e. Failure Analysis Report Number. (See 10.5)
- f. Contract number.
- g. Equipment, title, part number, and serial number.
- h. Assembly title, part number, and serial number.
- i. Subassembly title, element or module title, part number, and serial number.
- j. Part name, part number, serial number, date code, and manufacturer.
- k. Name and specification of test failed.
- l. Elapsed time and phase of test failed.
- m. Total operation time of unit at time of failure.
- n. Failure symptoms.
- o. Failure mode.
- p. Classification failure (independent or dependent).
- q. Type of failure from Failure Keyword List. (See 10.7)
- r. Disposition of failed item.
- s. Any supplemental information relating to the failure (i.e., any internal contractor assessments, records, reports, correspondence, etc.).

10.3.2 Format. The report may be handwritten and legible.

10. PREPARATION INSTRUCTIONS (Continued)

10.4 Final Report

10.4.1 Content. The final report shall contain the items required in the Preliminary Report and the following additional items shall be included:

- a. Reference-Failure Analysis Report Number (see 10.5)
- b. Failure Analysis methods.
- c. Failure Analysis results.
- d. Statement as to whether this is a pattern failure. If it is, the reports of the other failure(s) will be referenced.
- e. Corrective action:
 - (1) Action on individual equipment failure.
 - (2) Measures to prevent other failures.

10.4.2 Format. The same format may be used for both Preliminary report and Final report.

10.5 Failure Analysis Number

a. Format. In accordance with the format code: X - N - T - F1 - F2 .

- (1). X is the equipment type number.
- (2). N is the sequential failure number.
- (3). T is the test phase in which the failure occurred.

- (a) T=A for acceptance test.
- (b) T=B for subassembly test.
- (c) T=C for receiving inspection.
- (d) T=D for reliability test.
- (e) T=E for qualification test.
- (f) T=F for system/equipment burn-in.
- (g) T=G for system integration.

(4). F1 is the total number of failures of the same part number (i.e., resistor, capacitor, inductor, transistor, etc.) manufactured by the same vendor.

10. PREPARATION INSTRUCTIONS (Continued)

(5). F2 is the total number of occurrences of a specified failure mechanism of the same part number manufactured by the same vendor.

10.6 Nonrelevant and Unverified Failures. Nonrelevant and unverified failures shall not have the F1 and F2 numbers assigned because these types of failures do not relate to a part type failure. Instead, these failures shall be coded as "NR" for a nonrelevant failure and "UV" for an unverified failure.

10.7 Failure Keyword List.

10.7.1 Content. The content shall include:

- (1) Workmanship.
- (2) Handling.
- (3). Process.
- (4). Design.
- (5). Marking.
- (6). Test Equipment.
- (7). Contamination.
- (8). Open Bond Wire.
- (9). Electrical Short.
- (10). Electrical Open.
- (11). Software.
- (12). Mechanical.
- (13). Nonrelevant.
- (14). Under Investigation.
- (15). Unknown.
- (16). Unverified.
- (17). Glitch.
- (18). Testing Error.
- (19). Tolerance.

CONTRACT DATA REQUIREMENTS LISTForm Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 440 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington D.C. 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

CONTRACT LINE ITEM NO.**B. EXHIBIT A.****A****C. CATEGORY:**

TDP

TM

OTHER X

D. SYSTEM/ITEM**MK 71 ROCKET MOTOR****E. CONTRACT/PR NO.****F. CONTRACTOR**

1. DATA ITEM NO.

A003

2. TITLE OF DATA ITEM

TECHNICAL REPORT - STUDY/SERVICES

3. SUBTITLE

ATTRIBUTE TEST REPORT

4. AUTHORITY (Data Acquisition Document No.)

DI-MISC-80508A

5. CONTRACT REFERENCE

SOW 3.3.3

6. REQUIRING OFFICE

NAVSURFWARREN, CODE 2310

7. DD 250 REQ

LT

9. DIST STATEMENT

REQUIRED

10. FREQUENCY

ASREQ

12. DATE OF FIRST SUBMISSION

SEE BLK 16

14. DISTRIBUTION

b. COPIES

8. APP CODE

N/A

11. AS OF DATE

N/A

13. DATE SUBSEQUENT SUBMISS

SEE BLK 16

a. ADDRESSEE

SEE BLOCK 16

FINAL

Draft Reg Repo

16. REMARKS

BLK 12 & 13: This data item (Attribute Test Report) must be submitted with each material and material lot.

BLK 14: The following address should be used for the distribution of this data item. The "attn:" code shall change appropriately to correspond to the addresses listed in block 14a.

Commander

Naval Surface Warfare Center, Indian Head Division

101 Strauss Avenue

Indian Head, Maryland 20640-5035

Attn: Code 1142

12.

Code 1142

1

Code 2310A

1

15. Total

2

G. PREPARED BY

Timothy Appleby
Timothy Appleby, Code 2310A

H. DATE

2003-07-16

I. APPROVED BY

M. Elaine Finkhouse

J. DATE

2003-07-17

DD FORM 1423-1, JUN 90

Previous editions are obsolete. 1161/183

Attachment (F)

17. Price Group

18. Estimated Total Price

DATA ITEM DESCRIPTION

Title: TECHNICAL REPORT - STUDY/SERVICES
Number: DI-MISC-80508A
Office of Primary Responsibility: G/TS-ALS
GIDEP Applicable: No
AMSC Number: G7408
DTIC Applicable: Defense Technical Information Center (DTIC), 8725 John J. Kingman Rd.,
Ste. 0944, Ft. Belvoir, VA 22060-6218
Approval Date: 7 November 2000
Applicable Forms: No

Use/Relationship

A technical report provides fully documented results of studies or analyses performed. This data item description contains the format and content instructions for the data product generated by the specific and discrete task requirement as delineated in the contract.

This DID supersede DI-MISC-80508.

Requirements:

1. Format.
 - (a) The report and all attachments shall be typewritten, or otherwise clearly lettered, and shall be duplicated using non-fading ink.
 - (b) Text shall be prepared on standard letter size paper (8 1/2" x 11").
 - (c) When attachments are included, they shall be fully identified, referenced in the text, and folded to conform to the size paper used in the report.
 - (d) Security classification and distribution markings shall conform to the requirements of the contract, purchase description and security requirements checklist, as applicable.
2. Content.
 - (a) Title Page - Identifies the report by providing contract number, project name or purchase description title, task number, and reporting period.
 - (b) Table of Contents
 - (c) Section I - Includes the following:
 - (1) Introduction
 - (2) Summary - A brief statement of results obtained from the analytic effort.
 - (3) Conclusions and their condensed technical substantiation's.
 - (d) Section II - A complete and detailed description of the analytic results which led to the conclusions stated in Section I above.

Form Approved
OMB No. 0704-0188

CONTRACT LINE ITEM NO

C. CATEGORY:
TDP TM OTHER X

E. CONTRACT/PR NO.

F. CONTRACTOR

2. TITLE OF DATA ITEM
CERTIFICATE OF COMPLIANCE

3. SUBTITLE

5. CONTRACT REFERENCE
SOW 3.3.4

6. REQUIRING OFFICE
NAVSURFWARCEN, CODE 2310

9 DIST STATEMENT
REQUIRED

10. FREQUENCY
ASREQ

12. DATE OF FIRST SUBMISSION
SEE BLK 16

14. DISTRIBUTION

N/A

11. AS OF DATE
N/A

13. DATE SUBSEQUENT SUBMISS
SEE BLK 16

a. ADDRESSEE		FINAL	
SEE BLOCK 16	Draft	Reg	Repeal

16. REMARKS

BLK 12 & 13: This data item (Certificate of Compliance) must be submitted with each material and material lot.

BLK 14: The following address should be used for the distribution of this data item. The "attn:" code shall change appropriately to correspond to the addresses listed in block 14a.

Commander
Naval Surface Warfare Center, Indian Head Division
101 Strauss Avenue
Indian Head, Maryland 20640-5035
Attn: Code 1142

12.

Code 1142

1

Code 2310A

1

15 Total

2

G. PREPARED BY
Timothy Appleby
Timothy Appleby, Code 2310A

H DATE

2003-07-16

APPROVED BY

M. Elaine Furber

J. DATE

2003-07-17

DD FORM 1423-1, JUN 90

Previous editions are obsolete. 1161/183

Attachment (F)

17. Price Group

18. Estimated Total Price

DATA ITEM DESCRIPTION

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.

1. TITLE

CERTIFICATE OF COMPLIANCE

2. IDENTIFICATION NUMBER

DI-MISC-81356

3. DESCRIPTION / PURPOSE

3.1 The Certificate of Compliance will attest that the contractor has provided the parts/items that complies with all the technical and quality requirements and that the contractor has not deviated from the contract requirements.

4. APPROVAL DATE (YYMMDD)

930720

5. OFFICE OF PRIMARY RESPONSIBILITY (OPR)

N/SPCC 8733

6a. DTIC APPLICABLE

6b. GIDEP APPLICABLE

7. APPLICATION / INTERRELATIONSHIP

7.1 This data item description (DID) contains the format and content preparation instructions for the data product generated by the specific and discrete task requirement as delineated in the contract.

8. APPROVAL LIMITATION

9a. APPLICABLE FORMS

9b. AMSC NUMBER

N6949

10. PREPARATION INSTRUCTIONS

10.1 Format. The Certificate of Compliance shall be prepared in a format similar to that of Figure 1.

10.2 Content. The Certificate of Compliance shall contain:

- a. Contractor, address, phone number and date.
- b. The Contract issuing agency's purchase order number.
- c. The National Stock Number(s) (NSN).
- d. Item Nomenclature (noun name) of the item purchased.
- e. Contractor's or authorized personnel's signature.
- f. A statement to the effect that all items furnished on the contract are in full compliance with the specifications and requirements.

Continue on Page 2 of 2 Pages

11. DISTRIBUTION STATEMENT

DISTRIBUTION STATEMENT A: APPROVED FOR PUBLIC RELEASE; DISTRIBUTION IS UNLIMITED.

DI-MISC - 81356

Block 10. Preparation Instructions (continue)

CERTIFICATE OF COMPLIANCE

From: _____

Name of Firm

Address: _____

Phone: (____) _____

Date: _____

To: Ships Parts Control Center
Attn: Code 875
5450 Carlisle Pike
P.O. Box Mechanicsburg, PA 17055-0788

SPCC Contract/Purchase Order Number: _____

National Stock Number: _____

Item Nomenclature: _____

All items furnished on this contract are in full compliance with
all specification and contract requirements.

Quality Assurance Manager

Senior Official

NOTE: The recording of false, fictitious or fraudulent statements
or entries on this document may be punished as a felony under
Federal Statutes.

Figure 1 - Sample format for Certificate of Compliance

ENGINEERING CHANGE PROPOSAL (ECP), PAGE 11. DATE (YYMMDD)
030707Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.

PLEASE DO NOT RETURN YOUR COMPLETED FORM TO EITHER OF THESE ADDRESSES. RETURN COMPLETED FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THE CONTRACT / PROCURING ACTIVITY NUMBER LISTED IN ITEM 2 OF THIS FORM.

2. PROCURING
ACTIVITY NO.
14083

3. DODAAC

4. ORIGINATOR

a. TYPED NAME (First, Middle Initial,
Last)

Michelle R. Thomas

Code: 4120T

b. ADDRESS (Street, City, State, Zip Code)

Indian Head Division
Naval Surface Warfare Center
101 Strauss Ave.
Indian Head, MD. 20640-5035

5. CLASS OF ECP

II

6. JUST. CODE

7. PRIORITY

R

8. ECP DESIGNATION

a. MODEL/TYPE

MK 71 MOD 1

b. CAGE CODE

14083

c. SYSTEM DESIGNATION

Mk 71 Mod 1 ZUNI Rocket Motor

d. ECP NO.

IH03046

e. TYPE

F

f. REV

9. BASELINE AFFECTED

☐ FUNCTIONAL☐ ALLOCATED☒ PRODUCT

10. OTHER SYS./CONFIG. ITEMS AFFECTED

☐ YES☒ NO

11. SPECIFICATIONS AFFECTED

	CAGE Code	Specification/Document No.	Rev	SCN	CAGE Code	Number	Rev	NOR
a. SYSTEM					30003	4902192	J	
b. DEVELOPMENT								
c. PRODUCT								

12. DRAWINGS AFFECTED

13. TITLE OF CHANGE

Apply Paint and Plating

14. CONTRACT NO. AND LINE ITEM

15. PROCURING CONTRACTING OFFICER

a. NAME (First, Middle Initial, Last)

b. CODE

c. TELEPHONE NO.

16. CONFIGURATION ITEM NOMENCLATURE

17. IN PRODUCTION

☐ YES☒ NO

18. ALL LOWER LEVEL ITEMS AFFECTED

a. NOMENCLATURE

Band, Shielding, Assembly

b. PART NO.

4902192

c. NSN

19. DESCRIPTION OF CHANGE

See Attached.

20. NEED FOR CHANGE

See Attached.

21. PRODUCTION EFFECTIVITY BY SERIAL NUMBER

N/A

22. EFFECT ON PRODUCTION DELIVERY SCHEDULE

N/A

23. RETROFIT

a. RECOMMENDED ITEM EFFECTIVITY

N/A

b. SHIP/VEHICLE CLASS AFFECTED

N/A

c. ESTIMATED KIT DELIVERY SCHEDULE

N/A

d. LOCATIONS OR SHIP/VEHICLE NUMBERS AFFECTED

N/A

24. ESTIMATED COSTS / SAVINGS UNDER CONTRACT

N/A

25. ESTIMATED NET TOTAL COSTS / SAVINGS

N/A

26. SUBMITTING ACTIVITY

a. AUTHORIZED SIGNATURE

Thomas Cannon

b. TITLE

Branch Manager, Code 4120

27. APPROVAL / DISAPPROVAL

a. CLASS I

☐ APPROVAL
RECOMMENDED☐ DISAPPROVAL
RECOMMENDED

b. CLASS II

☒ APPROVED☐ DISAPPROVED

c. CLASS II

☐ CONCUR IN CLASSIFI-
CATION OF CHANGE☐ DO NOT CONCUR IN CLASSI-
FICATION OF CHANGE

d. GOVERNMENT ACTIVITY

Indian Head Division, NSWC
Indian Head, MD. 20640-5035

e. SIGNATURE

Charles Paras, Code 410A

f. DATE SIGNED (YYMMDD)

03/07/08

g. APPROVAL

☐ APPROVED☐ DISAPPROVED

h. GOVERNMENT ACTIVITY

i. SIGNATURE

j. DATE SIGNED (YYMMDD)

SUBMITTING ACTIVITY COMMENTS:

ECP NO. IH03046

BLOCK 19. DESCRIPTION OF CHANGE:

The following changes should be made to the Mk 71 Mod 1 Rocket Motor Shielding Band Assembly, DWG #4902192.

1. Change Note 4.

From: Apply warning markers, Find No. 4, two places each centered approximately between any two adjacent latching tabs, Find No. 3. Apply warning marker, Find No. 2, centered approximately between the remaining two latching tabs with arrows oriented as indicated.

To: After painting apply Warning Marker, Find No. 2, centered approximately between two latching tabs, Find No. 3, with arrows orientated as indicated.

2. Change Note 7.

From: For Data List see DL4902192.

To: Deleted.

3. Add Note 10.

Add: Zinc plate in accordance with ASTM B633, SC 3, Type II.

4. Add Note 11.

Add: Exterior surface, except for latching tab, Find No. 3, shall be painted using primer, Find No. 4, and enamel, Find No. 5, in accordance with MIL-STD-1303B, System 54. The enamel, Find No. 5, shall be color red, No. 21105 per FED-STD-595.

5. Add Note 12.

Add: Dimensional limits apply after plating.

6. Delete Find No. 4.

7. Add Find No. 5.

Add:

5	AR	Type Opt, Class C, Color Y	TT-P-1757	Primer Coating, Alkyd Base	
Find No.	QTY RQD	Part or Identifying No	Specification	Nomenclature or Description	Material or Note

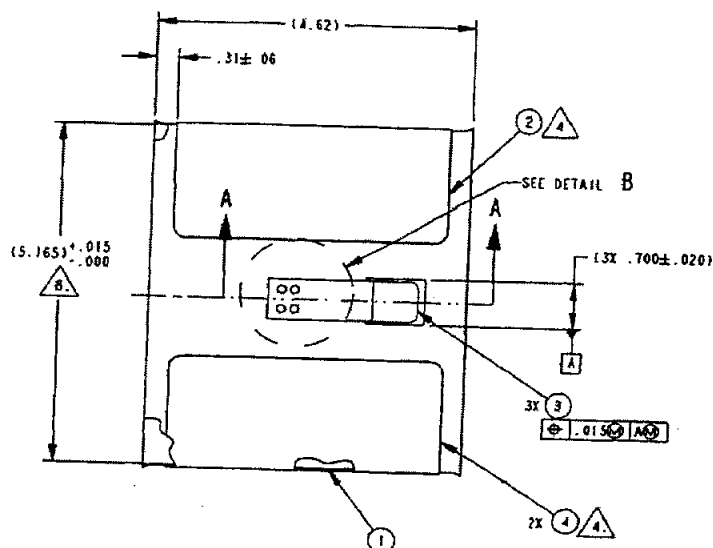
8. Add Find No. 6.

Add:

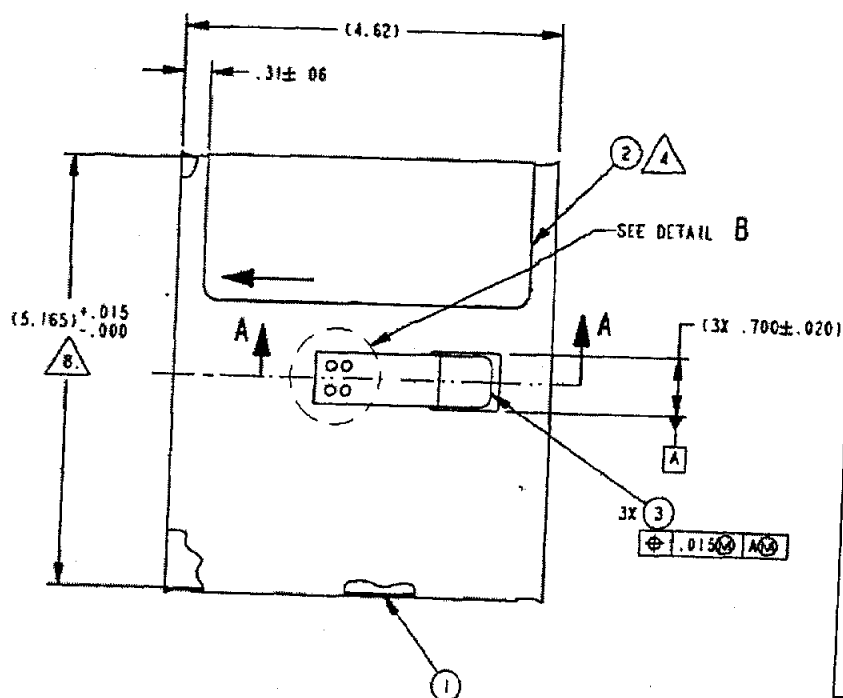
6	AR	Type Opt, Class Opt.	MIL-E-16663	Enamel, Semi-Gloss	
Find No.	QTY RQD	Part or Identifying No	Specification	Nomenclature or Description	Material or Note

9. Change Front View, Zones C-4—6 thru D-4—6.

From:



To:



The changes are:

1. remove the 2 Warning Stickers, associated with Find No. 4
2. remove the 2X (4) (4)
3. make the Section A-A lines shorter
4. add the arrow to the remaining sticker
5. make the Detail B dashed circle smaller for clarity

10. Update the Application Block.

Add:

318AS304	318AS304
NEXT ASSY	USED ON
APPLICATION	

BLOCK 20. NEED FOR CHANGE:**General:**

In Revision G of this drawing, Notes 2, 3, and 6 were deleted and Note 4 was changed per NOR IH83035.4. Documentation was asked by Code 4120L for a copy of this NOR, but it could not be found. Thus, the reason why the plating and painting were originally removed is unknown. Management wants the original configuration back in place. Therefore, these changes need to be made.

1. Change Note 4.

This is the original note, with the exception of replacing the word "Item" with "Find", from Revision F.

2. Change Note 7.

Data Lists are no longer used, thus this note should be deleted. (Everything that was listed on the DL or PL is now in the Parts List located in the bottom-right corner of the drawing.)

3. Add Note 10.

The original note in Revision F stated "Cadmium plate in accordance with QQ-P-416, Class 2, Type II."

To have cadmium plating is no longer desired, because cadmium is an environmental hazard. Thus, it was decided to be replaced with a zinc plating. Since cadmium is no longer being used, it's specification, which is QQ-P-416, is also no longer valid. Therefore, the specification for zinc plating is needed. ASTM B633 was chosen because it was already reference on drawing 4902384 as the alternate for cadmium plating.

4. Add Note 11.

The original note in Revision F stated, "Exterior surface, except for latching tab, Item No. 3, shall be painted using primer, Item No. 4, and enamel, Item No. 5, in accordance with MIL-STD-1303, System 54." On PL4902192, Revision B, it has the item numbers listed as:

Item 3 – Latching Tab, DWG 30003-4902190

Item 4 – Primer, Zinc Chromate, Composition-Optional, Color Y, per TT-P-1757

Item 5 – Enamel, Semi-Gloss, Type-Optional, Class-Optional, Color-Red No. 21105 per FED-STD-595, per MIL-E-16663

The word "Item" was changed to "Find" and these items will be added to the Parts List. The current revision is inactive for new design, but still can be used for replacement purposes. Technically, this is not a new design, but a resurrection of the original band. The revision letter "B" must be stated because in the most current revision, System 54 uses a different primer and paint. Since MIL-E-16663 has been reactivated, Revision B can still be used.

Also, in the MIL-E-16663, the color red is designated by No. 21136. However, originally it was No 21105 (see above). Therefore, to stick with what was, the color needs to be called out and adding it here seemed the most effective.

5. Add Note 12.

This is the original note, stated in its entirety, from Revision F.

6. Delete Find No. 4.

Since it is desired to return to painting the band instead of having three stickers on it, these extra two Warning

Markers are no longer necessary. They are to be deleted.

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7. Add Find No. 5.

The original primer specification is still active, however, it includes non-chromate primers as well as chromate. Class C represents chromate-based corrosion-inhibitors, which has the same characteristics as the original specification. The Composition of the original specification referred to the Volatile Content, whereas in the current revision, it is referred to as Types – Type I is the same as Composition L and Type II is similar to Composition G in that both refer to another test method to check for the volatile content. Therefore, the Type will also be optional. And the color, Y, stays the same.

8. Add Find No. 5.

Since the enamel is called out in Note 3, it should also be listed in the Parts List. The specification call-out remains the same since it was reactivated in December 2002.

9. Change Front View, Zones C-4—6 thru D-4—6.

This view has to be updated to reflect the note and find number changes and for clarity. Note, the arrow on the Warning Marker must be in direction shown, per Revision F.

10. Update the Application Block.

Since there is a new top assembly for the Mk 71 Mod 2 Rocket Motor, Loaded Assembly, it must be reflected here.